WATER AND WASTEWATER TREATMENT WORKS IN ONTARIO

Dec. 31, 1978

Ontario
Ministry of the Environment
Hon. Harry C. Parrott, D.D.S., Minister
Graham W. S. Scott, Deputy Minister

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Water and Wastewater Treatment Works in Ontario Dec. 31, 1978

prepared by: Management Information Group
Municipal and Private Section
Pollution Control Branch

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FOREWORD

At the end of 1978 the design capacity of wastewater treatment plants in Ontario was 1,095.742 million imperial gallons per day (MIGD). This represents a net increase of 9.238 (MIGD) from 1977. This increase takes into consideration the re-rating of capacities, the additional capacity from new and expanded plants and the loss of capacity from the phasing out of obsolete plants. The corresponding number of wastewater treatment works in 1978 was 351 which amounts to a net increase of 11 plants from 1977. This increase is attributable to 14 new plants being brought into operation and three plants being phased out.

The design capacity of water supply facilities in Ontario in 1978 was 1,953.880(MIGD) which represents a net increase of 72.672 (MIGD) from 1977. This increase takes into consideration the re-rating of capacities, the additional capacity from new and expanded plants and the loss of capacity from the phasing out of certain works. The corresponding number of water works in 1978 was 427 which amounts to a net increase of 7 plants from 1977. This increase is the result of 12 new water supplies being brought into operation and five being phased out.

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INTRODUCTION

The Ministry of the Environment is concerned with the protection and enhancement of the natural environment. For example, the release of untreated sanitary wastes to a watercourse, particularly in the immediate discharge area, renders the watercourse unusable for practically all purposes. This condition creates a threat to public health and is disruptive to plant and animal life cycles; therefore, the adequate treatment of wastes to produce a satisfactory effluent for discharge to a watercourse is a major concern of this Ministry.

When a body of water is needed for the assimilation and dilution of treated wastes then consideration must be given to all of the other uses of water, such as public, agricultural and industrial water supply, recreation, aesthetic enjoyment and the propagation of fish and wildlife. It is evident that Ontario's water resources must meet many needs and in order to assist with the administration of these needs, the Ministry of the Environment has produced a publication entitled "Water Management" which outlines 'goals, policies, objectives and implementation procedures of the Ministry of the Environment', necessary to ensure the sound management of wastes and water across the province. Copies may be obtained from the Water Resources Branch, 1 St. Clair Ave. West (Telephone: 965-6954). In addition, criteria for drinking water is outlined in a booklet entitled, "Drinking Water Objectives", which is available from this Ministry's Information Services Branch at 135 St. Clair Ave. West (Telephone: 965-7117). Both of the above mentioned publications may be obtained from the Publications Centre, Ministry of Government Services, 880 Bay Street, 5th Floor, Toronto.

With regard to the meeting of these goals and objectives, the Ministry inspects and regulates all communal water and wastewater facilities, and monitors the performance of the treatment plants and their effluent qualities with routine and special sampling programs. The administration of these services and programs is carried out on a regional basis. To complement the sampling programs and the various water quality management programs, the Municipal and Private Section of the Pollution Control Branch, in co-operation with our Regional offices, has produced this publication from its EDP system to provide a comprehensive listing of all Municipal wastewater and water treatment facilities operating in Ontario.

This publication has two major parts. PART I lists the wastewater treatment works and PART II lists the water works facilities. Each part begins with a brief description of the various treatment methods which is followed by a summary of the existing treatment types and their hydraulic capacities for the entire province. This is followed by a complete listing of the works.

Since the delivery of programs and services by this Ministry is carried out on a regional basis, it is therefore, logical to group these treatment works under the Ministry's six regions. Accordingly each one of our regions is first defined by means of a map page and then all treatment works for that particular region are listed alphabetically by municipality. An additional list of the plants which are located in each of the larger or regional municipalities has been prepared on blue paper.

Very large systems, which serve more than one municipality, are shown at the end of each region's data on pink paper and the definition of these, 'area systems' is described below.

Area Systems - "Area Wastewater Treatment Systems" And "Area Water Supply Systems"

When a municipality experiences sustained growth, eventually the serviced area of its treatment facility extends beyond its municipal boundaries. Once this condition occurs to the point where it becomes necessary to size the treatment works and major service mains to accomodate a much larger area, the system is, for the purposes of this publication, defined as an "Area Wastewater Treatment System", or an "Area Water Supply System".

WASTEWATER

PART -- I

1978

PART 1 - WASTEWATER TREATMENT

There are many types of wastewater treatment processes for sanitary wastes but the major treatment methods are variations of the principles which nature uses to purify a river or other body of water. Basically the more essential factors such as sedimentation and the biological breakdown of wastes are speeded up in the treatment plant, with the end result being a quality product which places a minimum amount of strain on the environment. Recently, a chemical method of treatment to reduce the phosphorus content of the effluent has been adapted to the various treatment types and this is seen to be a key factor in controlling nuisance algae in a watercourse.

At present, three basic stages or major treatment methods, are employed in Ontario and these may be categorized as "primary", "secondary" and "tertiary" treatment. In the primary stage, solids are allowed to settle and are removed as sludge from the water. The secondary stage uses biological processes to purify the wastewater even further. Tertiary processes are now being installed at specified locations to meet more stringent receiving water quality requirements.

It is important to note that over 78%, of Ontario's sewered wastewaters now receive secondary treatment or better.

The efficiency of all treatment whether primary, secondary or tertiary are generally rated in terms of the percentage removal of Biochemical Oxygen Demand (BOD) and the percentage removal of Suspended Solids (SS). BOD is simply the amount of oxygen uptake by bacteria to decompose the wastes and 'SS' are the organic and inorganic substances suspended in the wastewater.

1. PRIMARY TREATMENT

Wastes entering a plant for treatment, normally pass through a screen to remove certain items such as rags or sticks etc. which may clog pumps or pipes. After screening, the wastes are directed into a grit chamber where sand and small stones etc., are allowed to settle. With the grit removed, the mechanics of settling are further employed to remove the inorganic matter and suspended solids in a primary sedimentation tank or clarifier. The material (sludge) which has finally settled is removed to a digester or other treatment facility where it is suitably stabilized prior to final disposal. Primary treatment generally removes 40 to 60 percent of the suspended solids and in so doing it achieves 30 to 50 percent reduction of BOD. To complete primary treatment, the effluent from the clarifier is usually chlorinated before being discharged to a receiving stream, river or lake. Chlorination reduces the number of disease causing bacteria. The effluent produced from primary treatment is of a lower standard of quality than is achieved in secondary treatment; consequently, this form of treatment is used only when it will meet the water quality requirements of the receiving body of water.

2. SECONDARY TREATMENT

The secondary stage of treatment removes up to 90% of the BOD through the action of bacteria and is commonly referred to as biological treatment. The term biological refers to the micro-organisms present in the wastewater and these are utilized to break down the organic matter with the end result being a settleable material (sludge), which may be removed, and a clear liquid effluent.

There are various forms of secondary treatment but the 'activated sludge process' is by far the most popular method used today. Other forms of secondary treatment such as lagoons and trickling filters are also being used in Ontario but to a lesser extent.

2.1 ACTIVATED SLUDGE PROCESS

The activated sludge process reduces the organic content of the wastes in as short a time as possible by efficiently maintaining the biological activity on the incoming wastes. This is done by introducing a highly developed bacterial community, 'activated sludge', to the new wastes as soon as possible, usually at the agitation and aeration sections. The efficiency of this process is ensured by providing a suitable environment for the micro-organisms, which means, supplying optimum amounts of food in the form of wastes, oxygen through aeration and a temperature high enough to maintain the desired growth of the microbes.

The following treatment types, are modifications of the activated sludge process.

a) Conventional Secondary (Conventional Activated Sludge Process)

In this process, the effluent from the primary treatment stage is conveyed to an aeration section where it is thoroughly mixed by the introduction of air for approximately 6 to 8 hours. The air provides sufficient oxygen and contact through agitation with the new wastes to ensure that an efficient decomposition of the wastes occurs. An optimum balance between the incoming food, (primary effluent) and the population of the mixed biological community is maintained by adding a portion of the activated sludge to the beginning of the aeration section. Excess activated sludge together with some liquids are directed to the digesters where they receive further treatment. A clear high quality effluent is produced and the removal of BOD and suspended solids ranges from 90 to 95 percent.

b) High Rate

The high rate modification was developed by overloading the conventionally designed activated sludge plants. The organic load in the aeration sections is the highest of any of the other variations of the activated sludge process and the aeration time is proportionately shorter (1 to 3 hours). Excess activated sludge and some liquids are placed in a digester where they are stabilized before final disposal. A higher volume of wastes may be handled in a shorter period of time, which makes for a more economical operation. A primary treatment section may or may not be present, and this method is generally used where industrial wastes are encountered.

The high rate type of treatment is reported to have a removal rate for BOD and suspended solids in the 80 to 85 percent range.

c) Extended Aeration

The incoming wastes are immediately placed in an aeration section without primary settling and a longer aeration time is employed usually 18 to 24 hours. Due to the long aeration period a more complete decomposition or oxidation of the wastes occurs.

As with the conventional secondary, a high level of biological activity is maintained throughout the aeration tank by returning some of the activated sludge to the raw sewage influent. Excess activated sludge together with some liquids are placed in a holding tank or sometimes a digester prior to final disposal. The reduction in BOD is usually in excess of 90%.

d) Contact Stabilization

This modification provides a means of varying the contact time between the incoming wastes and the activated sludge. The initial operation is done in a small chamber called a contact aeration tank and usually lasts for 1 or 2 hours. After this short aeration period the wastes undergo settling and the resulting sludge is re-aerated for a further 2 to 6 hours. The total aeration time of the sludge ranges from 3 to 8 hours which allows for the production of the activated sludge required in the contact aeration tank. Excess activated sludge together with some liquids are placed in a holding tank or sometimes a digester prior to final disposal.

The removal of suspended solids and BOD is similar to the conventional secondary method.

e) Oxidation Ditch

An oxidation ditch is a retention channel constructed in the shape of a race track which is equipped with a rotary aerating device, which circulates the wastewater around the channel where the activated sludge process is employed. After the required retention time the treated wastewater is drawn off as new wastes are added, and placed in a settling tank where the sludge is collected and then either returned to the ditch or removed for final disposal. The effluent from the settling tank is clear and of good quality. The removal of BOD and suspended solids ranges from 85 to 90 percent. This process is similar to extended aeration and is usually used in smaller communities.

2.2 LAGOONS, AERATED CELL OR AERATED LAGOON

A lagoon is a flat bottomed structure composed of earth dikes and sized to retain the wastewater for a designated period of time. The lagoon employs many complex systems working together in a cyclical manner. For example, the bacteria converts the organic matter into available plant food and promotes the growth of algae, which is one of the simplest forms of plant life. The algae, with the aid of sunlight, produces oxygen which is required to maintain good bacterial activity on the incoming wastes. Also, the bacteria, with sufficient food (wastes), grow and give off carbon dioxide, which is needed to sustain the algae's life cycle. During the retention period these natural processes work together to decompose and effectively stabilize the wastes. The efficiency of these processes are dependent on several factors such as liquid depth, temperature, algae growth, waste characteristics, etc. When conditions are at an optimum, then a good quality effluent may be expected.

Some lagoons, or waste stabilization ponds may be aerated, by either mechanical stirring or the bubbling of air into one small cell (aerated cell) or throughout the entire lagoon (aerated lagoon). Aeration reduces the retention period, increases the capacity of the existing lagoon and is useful in treating some industrial wastes. 80 to 85 percent removal of BOD and suspended solids may be expected.

2.3 Trickling Filter

The trickling filter is simply a bed of stones from 3 to 6 feet deep to which primary treated sewage is equally distributed. Bacteria adhere to and multiply on the surfaces of these stones until they can consume most of the organic matter. Treated water trickles out through a network of pipes in the bottom of the filter where it is collected and directed to a final clarifier befor final disposal. BOD and suspended solids removal by this process has been reported from 75 to 90 percent. Trickling filters have generally been employed in the more temperate climates.

3. TERTIARY TREATMENT

Tertiary treatment processes are applied to secondary effluent to further upgrade the effluent quality for specific receiving water needs.

In Ontario, the only tertiary processes being used on a municipal scale are polishing lagoons and tertiary effluent filtration. These are designated as "effluent polishing" in this publication.

a) Polishing Lagoons

Polishing lagoons offer an opportunity for increased BOD and suspended solids removal at a minimum of cost but require a relatively large land area. Secondary effluent is passed into lagoon where it is retained for several days while the algae-bacterial symbiotic relationship is encouraged to optimize oxidation of the organic waste. A fairly consistent removal of BOD is maintained throughout the year. There is a marked increase in effluent SS during the summer months when algal activity is at its peak and this constitutes a major disadvantage of the polishing lagoon. BOD removals in the order of 40 to 60% from a secondary effluent may be achieved.

b) Effluent Filtration

Filtration of secondary effluent is the most widely applied tertiary process in Ontario. A well designed and operated tertiary filter should achieve a good lowering of suspended solids and is effective in reducing BOD and total phosphorus.

4. PHOSPHORUS REMOVAL

Treatment for phosphorus basically consists of the addition of a chemical which through precipitation lowers the phosphorus in the effluent to a specified amount. Phosphorus must be reduced to one part per million (1 ppm) in all designated plants in the Lower Great Lakes drainage basin. Designated plants in the Upper Great Lakes and Ottawa River drainage basins must reduce influent phosphorus by 80 percent or to 1 ppm. Phosphorus removal facilities can be incorporated into any existing treatment works and the chemicals generally used are lime, aluminum salts or iron salts. New chemicals to be used in any plant must first undergo treatability studies to determine if the desired reduction of phosphorus is achieved with no upset in plant operation and to ensure that the quality of effluent has not suffered any deterioration.

Important side benefits of increased removal of organic material and suspended solids occur when phosphorus treatment is employed in primary plants and lagoons with seasonal discharge. Secondary plants and continuous discharge lagoons do not enjoy these benefits; however, secondary plants report better settling in the final stages.

PROVINCIAL SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	39	233.900
CONVENTIONAL SECONDARY	91	715.552
MODIFIED SECONDARY	2	5.700
CONTACT STABILIZATION	14	12.642
EXTENDED AERATION	56	58.980
TRICKLING FILTER	3	8.100
HIGH RATE	6	18.860
AERATED LAGOON	1	.608
CONVENTIONAL LAGOON CONTINUOUS	26	9.996
CONVENTIONAL LAGOON SEASONAL	88	20.884
LAGOON WITH SPRAY	3	.285
AERATED CELL PLUS LAGOON	12	6.395
OXIDATION DITCH	9	3.550
AERATED CELL	1	.290
TOTAL MINISTRY OPERATED WORKS	208	287.028
TOTAL MUNICIPALLY OPERATED WORKS	143	808.714
TOTAL TREATMENT WORKS	351	1,095.742

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

Southwestern Region

Ministry of the Environment

Ontario

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Sarnia
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Southwestern Region

(1)

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SOUTHWESTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	5	45.470
CONVENTIONAL SECONDARY	20	76.459
CONTACT STABILIZATION	1	.400
EXTENDED AERATION	8	8.301
HIGH RATE	1	.860
CONVENTIONAL LAGOON CONTINUOUS	6	1.610
CONVENTIONAL LAGOON SEASONAL	37	9.014
AERATED CELL PLUS LAGOON	4	2.664
OXIDATION DITCH	3	2.245
AERATED CELL	1	.290
TOTAL MINISTRY OPERATED WORKS	63	41.761
TOTAL MUNICIPALLY OPERATED WORKS	23	105.552
TOTAL TREATMENT WORKS	86	147.313

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AMHERSTBURG TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	1.000	DETROIT RIVER	MUNICIPALITY
AYLMER TOWN AYLMER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.540	CATFISH CREEK	MINISTRY
BELMONT VILLAGE BELMONT LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.124	KETTLE CREEK	MINISTRY
BLENHEIM TOWN BLENHEIM LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.400	CAMERON DR - MCGREGOR CK	MUNICIPALITY
CHATHAM CITY CHATHAM WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.500	THAMES RIVER	MINISTRY
CHESLEY TOWN CHESLEY LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.200	NORTH SAUGEEN RIVER	MINISTRY
CLINTON TOWN MUNICIPAL PLANT	CONTACT STABILIZATION	.400	BAYFIELD RIVER	MUNICIPALITY
DOVER TOWNSHIP MITCHELL'S BAY LAGOON	CONVENTIONAL LAGOON TOTAL RETENTION	.023	(LAKE ST. CLAIR)	MINISTRY
DRESDEN TOWN DRESDEN WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	1.000	SYDENHAM RIVER	MINISTRY
DUNDALK VILLAGE DUNDALK LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.143	FOLEY DRAIN TO GRAND R.	MINISTRY
DURHAM TOWN DURHAM LAGOON	AERATED CELL CONTINUOUS	.290	SAUGEEN RIVER	MINISTRY
DUTTON VILLAGE DUTTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.070	BENNETT CK. TO L. ERIE	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
EAST ZORRA-TAVISTOCK TOWNSHIP TAVISTOCK LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.170	TRIBUTARY TO THAMES R.	MINISTRY
ENNISKILLEN TOWNSHIP OIL CITY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.037	BLACK CREEK	MINISTRY
ESSEX (N.E.) TOWN ESSEX LAGOON N.E. (discharge for 6 mos.)	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	.240	PUCE RIVER DRAIN	MINISTRY
ESSEX (S.W.) TOWN ESSEX LAGOON S.W. (discharge for 6 mos.)	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	.360	CANARD RIVER	MINISTRY
EXETER TOWN EXETER LAGOON	CONVENTIONAL LAGOON SEASONAL	.597	AUSABLE RIVER	MINISTRY
FOREST TOWN FOREST LAGOON	CONVENTIONAL LAGOON SEASONAL	.300	HICKORY CREEK	MINISTRY
GLENCOE VILLAGE GLENCOE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.200	NEWBIGGEN CREEK	MINISTRY
GODERICH TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	1.000	LAKE HURON	MUNICIPALITY
GOSFIELD N. TOWNSHIP COTTAM LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.200	MADDOX DRAIN TO BELLE R.	MINISTRY
HANOVER TOWN HANOVER W P C P	CONVENTIONAL SECONDARY	.700	SAUGEEN RIVER	MUNICIPALITY
HARROW TOWN HARROW LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.450	CEDAR CREEK	MINISTRY
HENSALL VILLAGE HENSALL LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.125	BLACK CK TO AUSABLE R.	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
INGERSOLL TOWN INGERSOLL WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.250	THAMES RIVER	MINISTRY
KINCARDINE TOWN KINCARDINE LAGOON	AERATED CELL PLUS LAGOON	1.300	LAKE HURON	MINISTRY
KINGSVILLE TOWN MUNICIPAL PLANT	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.430	WIGLE CREEK	MUNICIPALITY
LEAMINGTON TOWN LEAMINGTON WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	4.200	LAKE ERIE	MUNICIPALITY
LISTOWEL TOWN LISTOWEL LAGOON (SEASONAL DISCHARGE)	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	1.000	CHAPMAN DRAIN	MINISTRY
LONDON CITY POTTERSBURG PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	5.100	THAMES RIVER	MUNICIPALITY
LONDON CITY VAUXHALL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	THAMES RIVER	MUNICIPALITY
LONDON CITY OXFORD PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.200	THAMES RIVER	MUNICIPALITY
LONDON CITY ADELAIDE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	THAMES RIVER	MUNICIPALITY
LONDON CITY GREENWAY PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	27.350	THAMES RIVER	MUNICIPALITY
LUCAN VILLAGE LUCAN LAGOON	CONVENTIONAL LAGOON SEASONAL	.083	LITTLE AUSABLE RIVER	MINISTRY
MAIDSTONE TOWNSHIP BELLE RIVER - MAIDSTONE W P C P	EXTENDED AERATION PHOSPHORUS REMOVAL	1.500	LAKE ST.CLAIR	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MARKDALE VILLAGE MARKDALE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.140	ROCKY SAUGEEN RIVER	MINISTRY
MEAFORD TOWN MEAFORD WPCP	HIGH RATE	.860	GEORGIAN BAY	MINISTRY
MILDMAY VILLAGE MILDMAY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.213	OTTER CREEK	MINISTRY
MILVERTON VILLAGE MILVERTON LAGOON (spray in summer)	CONVENTIONAL LAGOON (SEASONAL) PHOSPHORUS REMOVAL	.080	BOYLE DRAIN	MINISTRY
MITCHELL TOWN MITCHELL LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.670	THAMES RIVER	MINISTRY
MOORE (BRIGDEN) TOWNSHIP BRIGDEN POLICE VILLAGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.075	BEAR CREEK	MINISTRY
MOORE (CORUNNA) TOWNSHIP CORUNNA P.V. PLANT(EXP TO .960 MG 78)	EXTENDED AERATION PHOSPHORUS REMOVAL	.960	ST. CLAIR RIVER	MINISTRY
MOORE (COURTRIGHT) TOWNSHIP COURTRIGHT W P C P	EXTENDED AERATION PHOSPHORUS REMOVAL	.120	ST CLAIR RIVER	MINISTRY
NORWICH TOWNSHIP NORWICH LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	BIG OTTER CREEK	MINISTRY
OIL SPRINGS VILLAGE OIL SPRINGS LAGOON (possible 150 day spray)	CONVENTIONAL LAGOON (SEASONAL) PHOSPHORUS REMOVAL	.100	BLACK CREEK	MINISTRY
OWEN SOUND CITY OWEN SOUND WPCP(EXPAND TO 5.4 MG IN 78)	PRIMARY PHOSPHORUS REMOVAL	5.400	GEORGIAN BAY	MINISTRY
PAISLEY VILLAGE PAISLEY WPCP	OXIDATION DITCH	.155	SAUGEEN RIVER	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
PETROLIA TOWN PETROLIA w P C P (MOD&EXPTO .7 MG IN 78)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.700	BEAR CREEK	MINISTRY
POINT EDWARD VILLAGE POINT EDWARD WPCP	PRIMARY PHOSPHORUS REMOVAL	.570	ST. CLAIR RIVER	MINISTRY
PORT ELGIN TOWN PORT ELGIN WPCP	OXIDATION DITCH	1.420	SAUGEEN RIVER	MUNICIPALITY
PORT STANLEY VILLAGE PORT STANLEY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.325	DITCH TO KETTLE CREEK	MINISTRY
RALEIGH TOWNSHIP S.W.REGIONAL CENTRE (MGS)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.500	LAKE ERIE	MINISTRY OF GOV'T SERVICES
RALEIGH & TILBURY E. TOWNSHIP MERLIN POLICE VILLAGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.205	FOXTON DR.- JEANETTES CK	MINISTRY
RIDGETOWN TOWN RIDGETOWN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.350	GAWNE DR TO MCGREGOR CK	MINISTRY
RODNEY VILLAGE RODNEY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	SIXTEEN MILE CK.	MINISTRY
SARNIA TOWNSHIP BRIGHT'S GROVE POLICE VILLAGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.500	CREEK TO L.HURON	MINISTRY
SARNIA CITY MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	14.500	ST. CLAIR RIVER	MUNICIPALITY
SEAFORTH TOWN SEAFORTH LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.270	CRESSWELL CREEK	MINISTRY
SOMBRA TOWNSHIP PORT LAMBTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	MARSHY CK.TO ST.CLAIR R.	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
SOMBRA TOWNSHIP PORT SOMBRA LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.197	ST. CLAIR RIVER	MINISTRY
SOUTHAMPTON TOWN SOUTHAMPTON WPCP	OXIDATION DITCH	.670	SAUGEEN R.	MINISTRY
ST EDMUNDS TOWNSHIP TOBERMORY LAGOON *(EFF TO EXFIL PIT)	AERATED CELL PLUS LAGOON	.084	*(LAKE HURON)	MUNICIPALITY
ST MARY'S SEPARATED TOWN ST MARY'S WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.800	THAMES RIVER	MINISTRY
ST THOMAS CITY ST. THOMAS W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.750	KETTLE CREEK	MUNICIPALITY
STRATFORD CITY STRATFORD WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	6.000	AVON RIVER	MINISTRY
STRATHROY TOWN STRATHROY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.600	SYDENHAM RIVER	MUNICIPALITY
THEDFORD VILLAGE THEDFORD LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.100	DECKER CREEK	MINISTRY
THORNBURY TOWN THORNBURY LAGOON	AERATED CELL PLUS LAGOON	.280	BEAVER RIVER	MINISTRY
TILBURY NORTH TOWNSHIP STONEY POINT P.V. LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.280	LITTLE CREEK	MINISTRY
TILBURY TOWN TILBURY LAGOON	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.360	TILBURY CREEK	MUNICIPALITY
TILBURY WEST TOWNSHIP COMBER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	GOVN'T DR NO.1 TO BIG CK	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
TILLSONBURG TOWN TILLSONBURG WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.800	BIG OTTER CREEK	MINISTRY
TUCKERSMITH TOWNSHIP VAN ASTRA W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.309	MUN DRAIN TO BAYFIELD	MINISTRY
WALKERTON TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	1.000	SAUGEEN RIVER	MUNICIPALITY
WALLACEBURG TOWN WALLACEBURG WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.500	SYDENHAM RIVER	MINISTRY
WATFORD VILLAGE WATFORD LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.210	BEAR CREEK	MINISTRY
WEST LORNE VILLAGE WEST LORNE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.147	ZOLLER DRAIN	MINISTRY
WESTMINSTER TOWNSHIP SOUTHLAND PARK PLANT LAMBETH	EXTENDED AERATION PHOSPHORUS REMOVAL	.058	DINGMAN CREEK	MUNICIPALITY
WESTMINSTER TWP TOWNSHIP WESTMINSTER WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.250	DINGMAN CREEK	MINISTRY
WIARTON TOWN WIARTON LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.150	COLPOY BAY	MINISTRY
WINDSOR CITY LITTLE RIVER PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	LITTLE RIVER	MUNICIPALITY
WINDSOR CITY WESTERLY PLANT	PRIMARY PHOSPHORUS REMOVAL	24.000	DETROIT RIVER	MUNICIPALITY
WINGHAM TOWN WINGHAM LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.300	MAITLAND RIVER	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WOODSTOCK CITY WOODSTOCK W P C P (8.0 MG UC IN 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.500	THAMES RIVER	MUNICIPALITY
ZURICH VILLAGE ZURICH LAGOON	CONVENTIONAL LAGOON SEASONAL	.100	MUN DRAIN TO L. HURON	MINISTRY

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems	Total Capacity (MIGD)
2	33.500

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: BELLE RIVER - MAIDSTONE POLLUTION CONTROL

Number of Plants: ONE Number of Municipalities Served: TWO

Operated By: THE MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
MAIDSTONE TWP.	Extended Aeration Phosphorus Removal	1.5	Belle River Town Maidstone Twp.	Lake St. Clair

SYSTEM: WINDSOR POLLUTION CONTROL

Number of Plants: TWO Number of Municipalities Served: FIVE

Operated By: WINDSOR PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
WINDSOR CITY (West Windsor Plant)	Primary Phosphorus Removal	24.0	Windsor City Sandwich West Twp. * Sandwich South Twp.	Detroit River
WINDSOR CITY (Little River Plant)	Conventional Secondary Phosphorus Removal	8.0	Windsor City * Techumseh Town * St. Clair Beach Village	Little River

* Ministry operated sanitary sewage collection systems are serving these municipalities.

West Central Region

Ministry of the Environment

Ontario

REGIONAL OFFICE

STONEY CREEK
140 Centennial Pkwy. N.
416-561-7410

DISTRICT OFFICES

Welland
637-641 Niagara St. N.
416-735-0431

Cambridge
400 Clyde Road
P.O. Box 219
519-623-2080

SUB-OFFICE

Simcoe
645 Norfolk St. N.
519-426-1940

West Central Region

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Ontario

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WEST CENTRAL REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	3	12.700
CONVENTIONAL SECONDARY	27	189.537
MODIFIED SECONDARY	1	1.700
EXTENDED AERATION	5	1.096
HIGH RATE	1	2.050
CONVENTIONAL LAGOON CONTINUOUS	1	.130
CONVENTIONAL LAGOON SEASONAL	7	1.376
AERATED CELL PLUS LAGOON	3	1.565
OXIDATION DITCH	2	.342
TOTAL MINISTRY OPERATED WORKS	30	77.455
TOTAL MUNICIPALLY OPERATED WORKS	20	133.041
TOTAL TREATMENT WORKS	50	210.496

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ARTHUR VILLAGE ARTHUR LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.216	CONESTOGA RIVER	MINISTRY
BRANTFORD CITY BRANTFORD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.500	GRAND RIVER	MINISTRY
BRANTFORD TOWNSHIP GAINSVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.037	FAIR CHILD CREEK	MUNICIPALITY
BRANTFORD TOWNSHIP AIRPORT STP (no discharge in 1978)	COMMUNAL SEPTIC TANK	.500	GRAND RIVER	MUNICIPALITY
CAMBRIDGE CITY GALT WPCP EXPAND IN 79	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.500	GRAND RIVER	MINISTRY
CAMBRIDGE CITY HESPELER WPCP	HIGH RATE PHOSPHORUS REMOVAL	2.050	SPEED RIVER	MINISTRY
CAMBRIDGE CITY PRESTON WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.710	GRAND RIVER	MINISTRY
DELHI TOWNSHIP DELHI PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.700	BIG CREEK	MINISTRY
DUNDAS TOWN DUNDAS - KING STREET PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL EFFLUENT POLISHING	4.000	COOTES PARADICE	MUNICIPALITY
DUNNVILLE TOWN MUNICIPAL PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	1.700	GRAND RIVER	MINISTRY
ELORA VILLAGE ELORA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.083	GRAND RIVER	MINISTRY
FERGUS TOWN FERGUS WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.100	GRAND RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
FLAMBOROUGH TOWNSHIP WATERDOWN WPCP	CONVENTIONAL SECONDARY	.300	GRINDSTONE CREEK	MUNICIPALITY
FORT ERIE TOWN CRYSTAL BEACH W P C P	CONVENTIONAL SECONDARY EXTENDED AERATION PHOSPHORUS REMOVAL	.855	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN RIVER ROAD W P C P (EX TO 3.6 JAN 79)	PRIMARY PHOSPHORUS REMOVAL	1.800	NIAGARA RIVER	MUNICIPALITY
GRAND VALLEY VILLAGE GRAND VALLEY WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.132	GRAND RIVER	MINISTRY
GRIMSBY TOWN WEST END LAGOON	AERATED CELL PLUS LAGOON	.250	LAKE ONTARIO	MUNICIPALITY
GRIMSBY TOWN BAKER ROAD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
GUELPH CITY MUNICIPAL PLANT TWO	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	SPEED RIVER	MUNICIPALITY
GUELPH CITY MUNICIPAL PLANT ONE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	SPEED RIVER	MUNICIPALITY
GUELPH CITY MUNICIPAL PLANT THREE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	SPEED RIVER	MUNICIPALITY
HALDIMAND TOWN CALEDONIA PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.500	GRAND RIVER	MINISTRY
HALDIMAND TOWN CAYUGA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.200	GRAND RIVER	MINISTRY
HALDIMAND TOWN HAGERSVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.200	SANDUSK CREEK	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
HAMILTON CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY (phosphorus removal achieved) (with out chemical feed)	60.000	HAMILTON HARBOUR	MUNICIPALITY
HARRISTON TOWN HARRISTON LAGOON	CONVENTIONAL LAGOON SEASONAL	.219	MAITLAND RIVER	MINISTRY
KITCHENER CITY KITCHENER W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	27.000	GRAND RIVER	MINISTRY
MOUNT FOREST TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.540	SAUGEEN RIVER	MUNICIPALITY
NANTICOKE CITY PORT DOVER W P C P	PRIMARY PHOSPHORUS REMOVAL	.900	LAKE ERIE	MINISTRY
NANTICOKE CITY WATERFORD LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.470	NANTICOKE CREEK	MINISTRY
NANTICOKE CITY JARVIS LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	SANDUSK CREEK	MINISTRY
NIAGARA FALLS CITY STAMFORD WPCP (EX TO 12.8 MG IN 79)	PRIMARY PHOSPHORUS REMOVAL	10.000	CHIPPAWA POWER CANAL	MUNICIPALITY
NIAGARA ON THE LAKE TOWN NIAGARA-ON-THE-LAKE LAGOON	AERATED CELL PLUS LAGOON	.845	LAKE ONTARIO	MUNICIPALITY
NORFOLK TOWNSHIP PORT ROWAN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.160	DEDRICH CREEK	MINISTRY
ORANGEVILLE TOWN ORANGEVILLE WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.500	CREDIT RIVER	MINISTRY
PALMERSTON TOWN PALMERSTON WPCP	CONVENTIONAL SECONDARY	.150	WALLACE DRAIN	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
PARIS TOWN PARIS WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.500	GRAND RIVER	MINISTRY
PORT COLBORNE CITY WEST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.350	WELLAND CANAL	MUNICIPALITY
PORT COLBORNE CITY EAST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.850	WELLAND CANAL	MUNICIPALITY
SHELBURNE TOWN SHELBURNE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.130	BOYNE RIVER	MINISTRY
SIMCOE TOWN SIMCOE WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	5.232	LYNN RIVER	MINISTRY
ST CATHARINES CITY PORT WELLER PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.370	PORT WELLER HARBOUR	MUNICIPALITY
ST CATHARINES CITY PORT DALHOUSIE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	13.500	LAKE ONTARIO	MUNICIPALITY
WATERLOO CITY WATERLOO WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	GRAND RIVER	MINISTRY
WELLAND CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.000	WELLAND RIVER	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.110	NITH RIVER	MINISTRY
WEST LINCOLN TOWNSHIP SMITHVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL	.344	TWENTY MILE CREEK	MUNICIPALITY
WILMOT TOWNSHIP NEW HAMBURG LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.280	NITH RIVER	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WILMOT TOWNSHIP BADEN PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.203	BADEN CREEK	MINISTRY
WOOLWICH (ELMIRA) TOWNSHIP ELMIRA WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.680	CANAGAGIGUE CREEK	MINISTRY
WOOLWICH (ST.JACOBS) TOWNSHIP ST JACOBS POLICE VILLAGE PLANT	OXIDATION DITCH PHOSPHORUS REMOVAL	.210	CONESTOGO RIVER	MINISTRY

WEST CENTRAL REGION

Regional Municipalities

Regional Municipalities

HALDIMAND NORFOLK

HAMILTON WENTWORTH

NIAGARA

WATERLOO

Total Capacity MIGD 183,389

(WASTEWATER TREATMENT)

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DELHI TOWNSHIP DELHI PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.700	BIG CREEK	MINISTRY
DUNNVILLE TOWN MUNICIPAL PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	1.700	GRAND RIVER	MINISTRY
HALDIMAND TOWN CALEDONIA PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.500	GRAND RIVER	MINISTRY
HALDIMAND TOWN CAYUGA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.200	GRAND RIVER	MINISTRY
HALDIMAND TOWN HAGERSVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.200	SANDUSK CREEK	MINISTRY
NANTICOKE CITY WATERFORD LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.470	NANTICOKE CREEK	MINISTRY
NANTICOKE CITY JARVIS LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	SANDUSK CREEK	MINISTRY
NANTICOKE CITY PORT DOVER W P C P	PRIMARY PHOSPHORUS REMOVAL	.900	LAKE ERIE	MINISTRY
NORFOLK TOWNSHIP PORT ROWAN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.160	DEDRICH CREEK	MINISTRY
SIMCOE TOWN SIMCOE WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	5.232	LYNN RIVER	MINISTRY
TOTAL CAPACITY		8.182		

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DUNDAS TOWN DUNDAS - KING STREET PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL EFFLUENT POLISHING	4.000	COOTES PARADICE	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN WPCP	CONVENTIONAL SECONDARY	.300	GRINDSTONE CREEK	MUNICIPALITY
HAMILTON CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY (phosphorus removal achieved) (with out chemical feed)	60.000	HAMILTON HARBOUR	MUNICIPALITY
TOTAL CAPACITY		64.300		

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
FORT ERIE TOWN CRYSTAL BEACH W P C P	CONVENTIONAL SECONDARY EXTENDED AERATION PHOSPHORUS REMOVAL	.855	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN RIVER ROAD W P C P(EX TO 3.6 JAN 79)	PRIMARY PHOSPHORUS REMOVAL	1.800	NIAGARA RIVER	MUNICIPALITY
GRIMSBY TOWN BAKER ROAD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
GRIMSBY TOWN WEST END LAGOON	AERATED CELL PLUS LAGOON	.250	LAKE ONTARIO	MUNICIPALITY
NIAGARA FALLS CITY STAMFORD WPCP(EX TO 12.8 MG IN 79)	PRIMARY PHOSPHORUS REMOVAL	10.000	CHIPPAWA POWER CANAL	MUNICIPALITY
NIAGARA ON THE LAKE TOWN NIAGARA-ON-THE-LAKE LAGOON	AERATED CELL PLUS LAGOON	.845	LAKE ONTARIO	MUNICIPALITY
PORT COLBORNE CITY WEST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.350	WELLAND CANAL	MUNICIPALITY
PORT COLBORNE CITY EAST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.850	WELLAND CANAL	MUNICIPALITY
ST CATHARINES CITY PORT WELLER PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.370	PORT WELLER HARBOUR	MUNICIPALITY
ST CATHARINES CITY PORT DALHOUSIE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	15.500	LAKE ONTARIO	MUNICIPALITY
WELLAND CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.000	WELLAND RIVER	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WEST LINCOLN TOWNSHIP SMITHVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL	.344	TWENTY MILE CREEK	MUNICIPALITY
TOTAL CAPACITY		58.164		

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAMBRIDGE CITY GALT WPCP (EXPAND IN 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.500	GRAND RIVER	MINISTRY
CAMBRIDGE CITY HESPELER WPCP	HIGH RATE PHOSPHORUS REMOVAL	2.050	SPEED RIVER	MINISTRY
CAMBRIDGE CITY PRESTON WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	5.710	GRAND RIVER	MINISTRY
KITCHENER CITY KITCHENER W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	27.000	GRAND RIVER	MINISTRY
WATERLOO CITY WATERLOO WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	GRAND RIVER	MINISTRY
WELLESLEY TOWNSHIP WELLESLEY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.110	NITH RIVER	MINISTRY
WILMOT TOWNSHIP NEW HAMBURG LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.280	NITH RIVER	MINISTRY
WILMOT TOWNSHIP BADEN PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.203	BADEN CREEK	MINISTRY
WOOLWICH TOWNSHIP ELMIRA WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.680	CANAGAGIGUE CREEK	MINISTRY
WOOLWICH TOWNSHIP ST JACOBS POLICE VILLAGE PLANT	OXIDATION DITCH PHOSPHORUS REMOVAL	.210	CONESTOGO RIVER	MINISTRY
TOTAL CAPACITY		52.743		

WEST CENTRAL REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems	Total Capacity (MIGD)
4	161.870

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: GRIMSBY / LINCOLN POLLUTION CONTROL

Number of Plants: ONE
Number of Municipalities Served: TWO
Operated By: REGIONAL MUNICIPALITY OF NIAGARA

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
GRIMSBY TOWN (Baker Rd. WPCP)	Conventional Secondary Phosphorus Removal	4.0	Grimsby Town Lincoln Town	Lake Ontario

SYSTEM: HAMILTON POLLUTION CONTROL

Number of Plants: ONE
Number of Municipalities Served: THREE
Operated By: REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
HAMILTON CITY (Woodward Ave. WPCP)	Conventional Secondary	60.0	Ancaster Town Hamilton City Stoney Creek Town	Hamilton Harbour

SYSTEM: ST. CATHARINES POLLUTION CONTROL

Number of Plants: TWO Number of Municipalities Served: TWO
Operated By: REGIONAL MUNICIPALITY OF NIAGARA

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
ST. CATHARINES CITY (Port Weller)	Conventional Secondary Phosphorus Removal	12.37	St. Catharines Thorold Town	Port Weller Harbour
ST. CATHARINES CITY (Port Dalhousie)	Conventional Secondary Phosphorus Removal	13.50	St. Catharines Thorold Town	Lake Ontario

SYSTEM: WELLAND POLLUTION CONTROL

Number of Plants: ONE Number of Municipalities Served: TWO
Operated By: REGIONAL MUNICIPALITY OF NIAGARA

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
WELLAND CITY	Conventional Secondary Phosphorus Removal	12.0	Pelham Town Welland City	Welland River

Central Region

Ministry of the Environment

Ontario

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DON MILLS
150 Ferrand Dr.
416-424-3000

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12 Fairview Rd.
705-726-1730

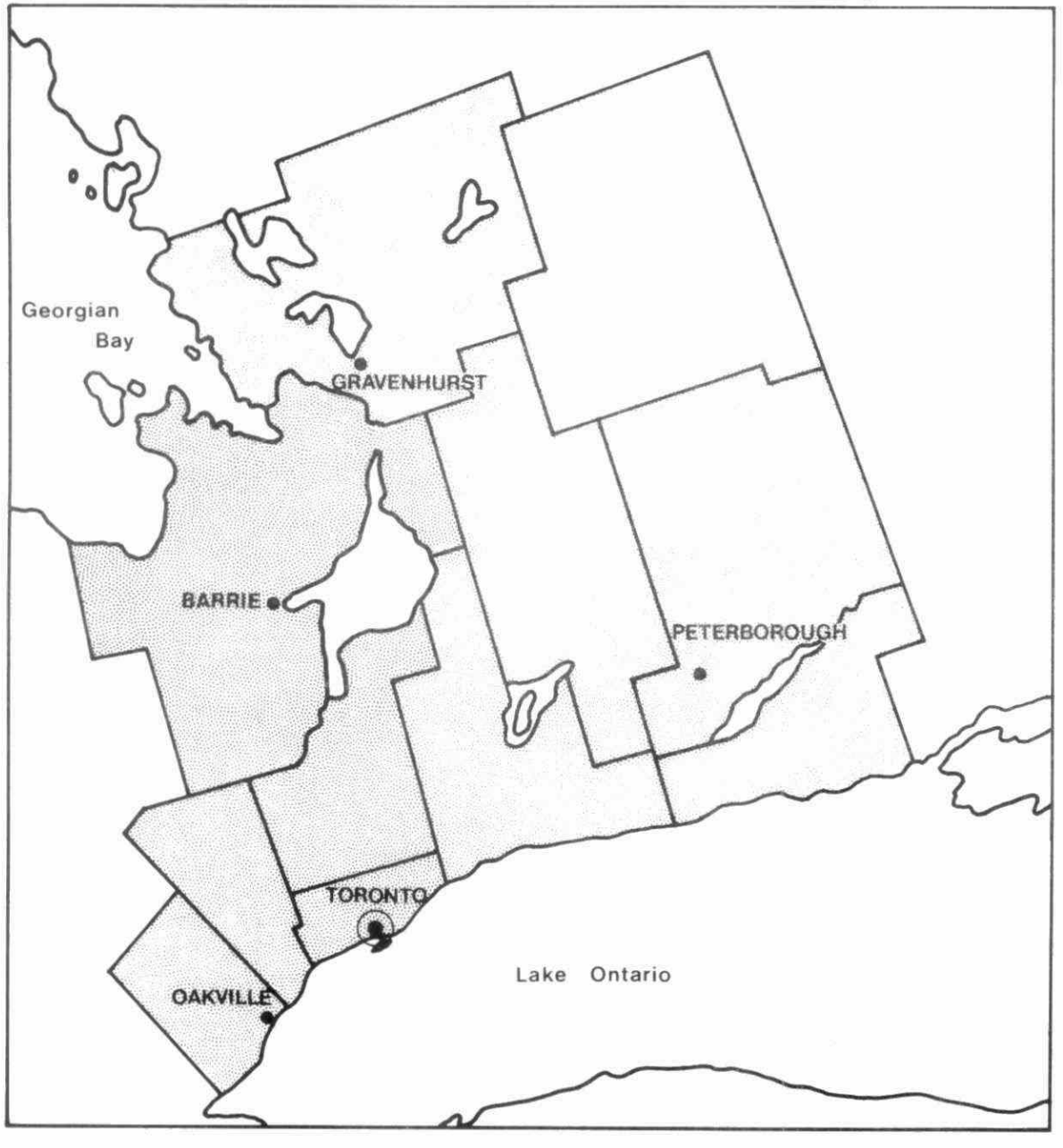
Muskoka-Haliburton
Gravenhurst Shopping Centre
705-687-3408

Peterborough
139 George St. N.
705-743-2972

Halton-Peel
1226 White Oaks Blvd.
Oakville
416-844-5747

SUB-OFFICE

Huntsville
100 Main St. E.
705-789-2386



Central Region

3

Ministry of the Environment
Ontario

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Huntsville
100 Main St. E.
705-789-2386

CENTRAL REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	2	5.450
CONVENTIONAL SECONDARY	30	412.627
MODIFIED SECONDARY	1	4.000
CONTACT STABILIZATION	3	2.290
EXTENDED AERATION	14	39.048
TRICKLING FILTER	2	8.000
HIGH RATE	2	3.500
CONVENTIONAL LAGOON CONTINUOUS	4	2.855
CONVENTIONAL LAGOON SEASONAL	9	2.604
LAGOON WITH SPRAY	1	.135
AERATED CELL PLUS LAGOON	4	.966
OXIDATION DITCH	3	.613
TOTAL MINISTRY OPERATED WORKS	19	69.376
TOTAL MUNICIPALLY OPERATED WORKS	56	412.712
TOTAL TREATMENT WORKS	75	482.088

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AJAX TOWN DUFFIN CREEK NO 2	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.100	DUFFIN CREEK	MUNICIPALITY
AJAX TOWN DUFFIN CREEK NO 1 (PHASE OUT FALL79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.400	DUFFIN CREEK	MUNICIPALITY
ALLISTON TOWN ALLISTON WPCP	EXTENDED AERATION	.770	BOYNE RIVER	MINISTRY
ANSON HINDEN & MINDEN TOWNSHIP MINDEN W P C P (STEP AER .364 MG)	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.208	GULL RIVER	MINISTRY
AURORA TOWN AURORA PLANT	EXTENDED AERATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	AURORA CREEK	MUNICIPALITY
BARRIE CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	6.000	KEMPENFELT BAY	MUNICIPALITY
BEETON VILLAGE BEETON LAGOON	CONVENTIONAL LAGOON SEASONAL	.300	EXFILTRATE TO BEETON CR	MINISTRY
BICROFT IMPROVEMENT DISTRICT CARDIFF (EXFILTRATION LAGOON)	CONVENTIONAL LAGOON (CONTINUOUS)	.100	EXFILTRATE TO MINK CREEK	MUNICIPALITY
BRACEBRIDGE TOWN BRACEBRIDGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.454	MUSKOKA RIVER	MUNICIPALITY
BRADFORD TOWN BRADFORD W P C P	HIGH RATE CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	1.500	SCHOMBERG RIVER	MINISTRY
BRIGHTON VILLAGE BRIGHTON LAGOON (CONTINUOUS DISCHARGE)	AERATED CELL PLUS LAGOON	.136	BUTLER CREEK	MUNICIPALITY
BROCK TOWNSHIP BEAVERTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	LAKE SIMCOE	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BROCK TOWNSHIP CANNINGTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	BEAVERTON RIVER	MUNICIPALITY
BURLINGTON TOWN DRURY LANE (TO CLOSE-FLOW TO SKYWAY 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2,500	LAKE ONTARIO	MUNICIPALITY
BURLINGTON TOWN SKYWAY W P C P	EXTENDED AERATION PHOSPHORUS REMOVAL	20,500	HAMILTON HARBOUR	MUNICIPALITY
CALEDON TOWN BOLTON WPCP (EXPAND TO 1,5 MG PROPOSED)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1,000	HUMBER RIVER	MUNICIPALITY
CAMPBELLFORD TOWN CAMPBELLFORD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1,300	TRENT RIVER	MINISTRY
COBOURG TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	3,530	COBOURG BROOK	MUNICIPALITY
COLBORNE VILLAGE COLBORNE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.090	COLBORNE CREEK	MUNICIPALITY
COLDWATER VILLAGE COLDWATER WPCP	EXTENDED AERATION	.120	COLDWATER RIVER	MINISTRY
COLLINGWOOD TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	4,200	GEORGIAN BAY	MUNICIPALITY
DYSART-ET-AL TOWNSHIP HALIBURTON W P C P	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.210	DRAG RIVER (GRASS LAKE)	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	HOLLAND RIVER	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP MOUNT ALBERT (EF-FILT STOR-PND F-C)	AERATED CELL PLUS LAGOON EFFLUENT POLISHING PHOSPHORUS REMOVAL	.150	MOUNT ALBERT CREEK	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ELMVALE VILLAGE ELMVALE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.165	WYE RIVER	MUNICIPALITY
FENELON FALLS VILLAGE FENELON FALLS WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.220	FENELON RIVER	MINISTRY
GEORGINA TOWNSHIP SUTTON LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.450	BLACK RIVER	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.670	MUSKOKA LAKE	MUNICIPALITY
HALTON HILLS TOWN ACTON W P C P	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.207	BLACK CREEK	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL EFFLUENT POLISHING	3.000	SILVER CREEK	MUNICIPALITY
HASTINGS VILLAGE HASTINGS WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.233	TRENT RIVER	MINISTRY
HAVELOCK VILLAGE HAVELOCK LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.160	PLATO CREEK	MINISTRY
HUNTSVILLE TOWN HUNTSVILLE W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	MUSKOKA RIVER	MUNICIPALITY
LAKEFIELD VILLAGE LAKEFIELD LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.240	OTONABEE RIVER	MINISTRY
LINDSAY TOWN LINDSAY LAGOON	CONVENTIONAL LAGOON CONTINUOUS AERATED CELL PHOSPHORUS REMOVAL	2.500	SCUGOG RIVER	MUNICIPALITY
MARKHAM TOWN TUCLOR LANE WPCP(PHASE OUT LATE 79 - 80)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.800	ROUGE RIVER	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MARKHAM TOWN UNIONVILLE w P C P (PHASE OUT FALL79)	CONVENTIONAL SECONDARY CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.800	ROUGE RIVER	MUNICIPALITY
MARKHAM TOWN THORN HILL PLANT (JOHN STREET PLANT)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.750	EAST DON RIVER	MUNICIPALITY
METRO TORONTO CITY MAIN PLANT (EXPAND TO 200 MG IN 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	180.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY NORTH TORONTO PLANT (EAST YORK)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	DON RIVER	MUNICIPALITY
METRO TORONTO CITY HIGHLAND CREEK PLANT (SCARBOROUGH)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	32.000	HIGHLAND CREEK	MUNICIPALITY
METRO TORONTO CITY HUMBER PLANT (ETOBICOKE)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	62.500	LAKE ONTARIO	MUNICIPALITY
MIDLAND TOWN MIDLAND wPCP	PRIMARY PHOSPHORUS REMOVAL	1.250	MIDLAND BAY	MINISTRY
MILLBROOK VILLAGE MILLBROOK wPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.250	BAXTER CREEK	MINISTRY
MILTON TOWN MILTON w P C P (EX 2.84 MIG IN 78)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL EFFLUENT POLISHING	2.840	OAKVILLE CREEK	MUNICIPALITY
MISSISSAUGA CITY LAKEVIEw wPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	50.000	LAKE ONTARIO	MINISTRY
MISSISSAUGA CITY CLARKSON wPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	12.000	LAKE ONTARIO	MINISTRY
MUSKOKA LAKES TOWNSHIP BALA PLANT	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL	.020	LONG LAKE	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MUSKOKA LAKES TOWNSHIP PORT CARLING WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.120	INDIAN RIVER	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE PLANT	EXTENDED AERATION	.280	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT TWO	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1,000	SOPER CREEK	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	TRICKLING FILTER PHOSPHORUS REMOVAL	.500	SOPER CREEK	MUNICIPALITY
NEWMARKET TOWN NEWMARKET WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3,000	HOLLAND RIVER	MUNICIPALITY
NORWOOD VILLAGE NORWOOD WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.160	OUSE RIVER	MINISTRY
OAKVILLE TOWN SOUTH WEST W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10,500	LAKE ONTARIO	MUNICIPALITY
OAKVILLE TOWN SOUTH EAST PLANT(EXPAND TO 5,0 IN 79)	CONVENTIUNAL SECONDARY PHOSPHORUS REMOVAL	2,000	LAKE ONTARIO	MUNICIPALITY
OMEMEE VILLAGE OMEMEE LAGOON	LAGOON WITH SPRAY PHOSPHORUS REMOVAL	.135	PIGEON RIVER	MINISTRY
ORILLIA CITY ORILLIA W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4,000	LAKE SIMCOE	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 1	TRICKLING FILTER PHOSPHORUS REMOVAL	7,500	LAKE ONTARIO	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 2	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	7,500	LAKE ONTARIO	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
PENETANGUISHENE TOWN MUNICIPAL PLANT	CONTACT STABILIZATION PHOSPHORUS REMOVAL	.660	PENETANG BAY	MUNICIPALITY
PETERBOROUGH CITY PETERBOROUGH PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.000	OTONABEE RIVER	MUNICIPALITY
PICKERING TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	LAKE ONTARIO	MUNICIPALITY
PORT HOPE TOWN PORT HOPE WPCP	HIGH RATE PHOSPHORUS REMOVAL	2.000	LAKE ONTARIO	MUNICIPALITY
PORT MC NICOLL VILLAGE PORT MC NICOLL WPCP	CONTACT STABILIZATION PHOSPHORUS REMOVAL	.230	GEORGIAN BAY	MINISTRY
RICHMOND HILL TOWN NORTH DON W P C P (TO BE PHASED OUT)	CONTACT STABILIZATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.400	LITTLE DON RIVER	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WPCP (PUGSLEY WPCP)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.600	GERMAN MILLS CREEK	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.400	LAKE SCUGOG	MUNICIPALITY
SMITH TOWNSHIP WOODLAND ACRES W P C P	EXTENDED AERATION	.070	OTONABEE RIVER	MINISTRY
STAYNER TOWN STAYNER LAGOON	AERATED CELL PLUS LAGOON	.230	LAMONT CREEK	MINISTRY
TOTTENHAM VILLAGE MUNICIPAL PLANT	CONVENTIONAL LAGOON SEASONAL	.280	BEETON CREEK	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.800	UXBRIDGE BROOK	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
VAUGHAN TOWN KLEINBERG PLANT	EXTENDED AERATION	.050	HUMBER RIVER	MUNICIPALITY
WHITBY TOWN CORBETT CREEK PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
WHITBY TOWN PRINGLE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.250	PRINGLE CREEK	MUNICIPALITY
WHITCHURCH - STOUFFVILLE TOWN STOUFFVILLE PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.550	DUFFIN CREEK	MUNICIPALITY

CENTRAL REGION

Regional Municipalities

Regional Municipalities

DURHAM HALTON

PEEL YORK

METRO TORONTO

DISTRICT MUNICIPALITY OF MUSKOKA

Total Capacity MIGD 438.861

(WASTEWATER TREATMENT)

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY		TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AJAX TOWN DUFFIN CREEK NO 2		CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	5.100	DUFFIN CREEK	MUNICIPALITY
AJAX TOWN DUFFIN CREEK NO 1	(PHASE OUT FALL79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.400	DUFFIN CREEK	MUNICIPALITY
BROCK TOWNSHIP BEAVERTON LAGOON		CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	LAKE SIMCOE	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON LAGOON		CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	BEAVERTON RIVER	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE PLANT		EXTENDED AERATION	.280	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT TWO		CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	SOPER CREEK	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE		TRICKLING FILTER PHOSPHORUS REMOVAL	.500	SOPER CREEK	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 2		CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	7.500	LAKE ONTARIO	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 1		TRICKLING FILTER PHOSPHORUS REMOVAL	7.500	LAKE ONTARIO	MUNICIPALITY
PICKERING TOWN MUNICIPAL PLANT		CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	LAKE ONTARIO	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY LAGOON		CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.400	LAKE SCUGOG	MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
UXBRIDGE TOWNSHIP UXBRIDGE PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.800	UXBRIDGE BROOK	MUNICIPALITY
WHITBY TOWN CORBETT CREEK PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
WHITBY TOWN PRINGLE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	5.250	PRINGLE CREEK	MUNICIPALITY
TOTAL CAPACITY		52.700		

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BURLINGTON TOWN DRURY LANE (TO CLOSE-FLOW TO SKYWAY 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	LAKE ONTARIO	MUNICIPALITY
BURLINGTON TOWN SKYWAY W P C P	EXTENDED AERATION PHOSPHORUS REMOVAL	20.500	HAMILTON HARBOUR	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL EFFLUENT POLISHING	3.000	SILVER CREEK	MUNICIPALITY
HALTON HILLS TOWN ACTON W P C P	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.207	BLACK CREEK	MUNICIPALITY
MILTON TOWN MILTON W P C P (EX 2.84 MIG IN 78)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL EFFLUENT POLISHING	2.840	OAKVILLE CREEK	MUNICIPALITY
OAKVILLE TOWN SOUTH EAST PLANT(EXPAND TO 5.0 IN 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	LAKE ONTARIO	MUNICIPALITY
OAKVILLE TOWN SOUTH WEST W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.500	LAKE ONTARIO	MUNICIPALITY
TOTAL CAPACITY		42.547		

METROPOLITAN TORONTO

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
METRO TORONTO CITY HUMBER PLANT (ETOBICOKE)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	62,500	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY HIGHLAND CREEK PLANT (SCARBOROUGH)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	32,000	HIGHLAND CREEK	MUNICIPALITY
METRO TORONTO CITY MAIN PLANT (EXPAND TO 200 MG IN 79)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	180,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY NORTH TORONTO PLANT (EAST YORK)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10,000	DON RIVER	MUNICIPALITY
TOTAL CAPACITY		284,500		

DISTRICT MUNICIPALITY OF MUSKOKA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BRACEBRIDGE TOWN BRACEBRIDGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.454	MUSKOKA RIVER	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.670	MUSKOKA LAKE	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE W P C P	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	MUSKOKA RIVER	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.120	INDIAN RIVER	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP BALA PLANT	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL	.020	LONG LAKE	MUNICIPALITY
TOTAL CAPACITY		2.264		

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CALEDON TOWN BOLTON WPCP (EXPAND TO 1.5 MG PROPOSED)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.000	HUMBER RIVER	MUNICIPALITY
MISSISSAUGA CITY LAKEVIEW WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	50.000	LAKE ONTARIO	MINISTRY
MISSISSAUGA CITY CLARKSON WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	12.000	LAKE ONTARIO	MINISTRY
TOTAL CAPACITY		63.000		

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AURORA TOWN AURORA PLANT	EXTENDED AERATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	AURORA CREEK	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP MOUNT ALBERT (EF=FILT STOR=PND F=C)	AERATED CELL PLUS LAGOON EFFLUENT POLISHING PHOSPHORUS REMOVAL	.150	MOUNT ALBERT CREEK	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	HOLLAND RIVER	MUNICIPALITY
GEORGINA TOWNSHIP SUTTON LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.450	BLACK RIVER	MUNICIPALITY
MARKHAM TOWN TUCLOR LANE WPCP (PHASE OUT LATE 79 - 80)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.800	ROUGE RIVER	MUNICIPALITY
MARKHAM TOWN THORN HILL PLANT (JOHN STREET PLANT)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.750	EAST DON RIVER	MUNICIPALITY
MARKHAM TOWN UNIONVILLE W P C P (PHASE OUT FALL79)	CONVENTIONAL SECONDARY CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.800	ROUGE RIVER	MUNICIPALITY
NEWMARKET TOWN NEWMARKET WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	HOLLAND RIVER	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WPCP (PUGSLEY WPCP)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.600	GERMAN MILLS CREEK	MUNICIPALITY
RICHMOND HILL TOWN NORTH DON W P C P (TO BE PHASED OUT)	CONTACT STABILIZATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.400	LITTLE DON RIVER	MUNICIPALITY
VAUGHAN TOWN KLEINBERG PLANT	EXTENDED AERATION	.050	HUMBER RIVER	MUNICIPALITY
WHITCHURCH - STOUFFVILLE TOWN STOUFFVILLE PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.550	DUFFIN CREEK	MUNICIPALITY
TOTAL CAPACITY		13.850		

CENTRAL REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems	Total Capacity (MIGD)
2	366,500

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: METRO TORONTO POLLUTION CONTROL SYSTEM

Number of Plants: FOUR Number of Municipalities Served: EIGHT

Operated By: METRO TORONTO DEPARTMENT OF WORKS

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
EAST YORK BOROUGH (North Toronto Plant)	Conventional Secondary Phosphorous Removal	10.0	East York Borough North York City Toronto City	Don River
ETOBICOKE BOROUGH (Humber Plant)	Conventional Secondary Phosphorous Removal	62.5	Etobicoke Borough Vaughan Town North York City York Borough	Lake Ontario
SCARBOROUGH BOROUGH	Conventional Secondary Phosphorous Removal	32.0	Scarborough Borough Markham Town	Highland Creek
TORONTO CITY (Main Plant)	Conventional Secondary Phosphorous Removal	200.0	East York Borough North York City Scarborough Borough Toronto City Markham Town	Lake Ontario

SYSTEM: SOUTH PEEL POLLUTION CONTROL SYSTEM

Number of Plants: TWO Number of Municipalities Served: THREE

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
MISSISSAUGA (Clarkson Plant)	Extended Aeration Phosphorous Removal	12.0	Mississauga City Brampton City	Lake Ontario
MISSISSAUGA (Lakeview Plant)	Conventional Secondary Phosphorous Removal	50.0	Mississauga City Brampton City Etobicoke Borough	Lake Ontario

Southeastern Region

Ministry of the Environment

Ontario

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REGIONAL OFFICE

KINGSTON
133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville
15 Victoria Ave.
613-962-9208

Cornwall
4 Montreal Rd.
613-933-7402

Ottawa
2378 Holly Lane
613-521-3450

Pembroke
1000 MacKay St.
P.O. Box 67
613-732-3643

Southeastern Region

Ministry of the Environment
Ontario

REGIONAL OFFICE

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133 Dalton St.
613-549-4000

DISTRICT OFFICES

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Cornwall
4 Montreal Rd.
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1000 MacKay St.
P.O. Box 67
613-732-3643

SOUTHEASTERN REGION SUMMARY.

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	17	120.980
CONVENTIONAL SECONDARY	7	22.798
CONTACT STABILIZATION	2	1.300
EXTENDED AERATION	11	4.633
HIGH RATE	1	1.200
AERATED LAGOON	1	.608
CONVENTIONAL LAGOON CONTINUOUS	2	2.000
CONVENTIONAL LAGOON SEASONAL	16	4.573
LAGOON WITH SPRAY	1	.110
AERATED CELL PLUS LAGOON	1	1.200
TOTAL MINISTRY OPERATED WORKS	39	37.641
TOTAL MUNICIPALLY OPERATED WORKS	20	121.761
TOTAL TREATMENT WORKS	59	159.402

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ALEXANDRIA TOWN ALEXANDRIA LAGOON	AERATED CELL PLUS LAGOON	1.200	DELISLE R	MINISTRY
ALFRED VILLAGE ALFRED LAGOON (annual discharge)	CONVENTIONAL LAGOON	.157	RUISSEAU DES AZATIKA	MINISTRY
ALMONTE TOWN ALMONTE LAGOON	CONVENTIONAL LAGOON SEASONAL AERATED CELL	1.200	MISSISSIPPI RIVER	MINISTRY
ARNPRIOR TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	1.500	MADAWASKA RIVER	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WPCP	EXTENDED AERATION	.400	YORK RIVER	MINISTRY
BARRY'S BAY VILLAGE BARRY'S BAY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.273	KAMANISKEG LAKE	MINISTRY
BATH VILLAGE MUNICIPAL PLANT	CONVENTIONAL SECONDARY	.423	LAKE ONTARIO	MUNICIPALITY
BELLEVILLE CITY BELLEVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	BAY OF QUINTE	MINISTRY
BROCKVILLE CITY MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	5.750	ST LAWRENCE RIVER	MUNICIPALITY
CARDINAL VILLAGE CANADA STARCH LAGOON	AERATED LAGOON	.608	ST. LAWRENCE RIVER	MUNICIPALITY
CARLETON PLACE TOWN CARLETON PLACE WPCP	HIGH RATE PHOSPHORUS REMOVAL	1.200	MISSISSIPPI RIVER	MINISTRY
CASSELMAN VILLAGE CASSELMAN LAGOON	CONVENTIONAL LAGOON SEASONAL	.300	S. NATION RIVER	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CHALK RIVER VILLAGE CHALK RIVER WPCP	EXTENDED AERATION CONTACT STABILIZATION	.080	DUCK CR TO DUCK LAKE	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL	.160	SOUTH NATION RIVER	MINISTRY
COBDEN VILLAGE MUNICIPAL PLANT	PRIMARY	.200	MUSKRAT RIVER	MUNICIPALITY
CORNWALL CITY CORNWALL WPCP	PRIMARY PHOSPHORUS REMOVAL (not employed in 1978)	8.250	ST. LAWRENCE R.	MINISTRY
CORNWALL TOWNSHIP LONG SAULT PLANT	CONVENTIONAL SECONDARY	.300	ST. LAWRENCE R	MUNICIPALITY
DEEP RIVER TOWN MUNICIPAL PLANT	PRIMARY	.480	OTTAWA RIVER	MUNICIPALITY
DELORO VILLAGE MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.008	MOIRA RIVER	MUNICIPALITY
DESERONTO TOWN DESERONTO W P C P	EXTENDED AERATION PHOSPHORUS REMOVAL	.300	BAY OF QUINTE	MINISTRY
EGANVILLE VILLAGE EGANVILLE WPCP	EXTENDED AERATION	.168	BONNECHERE RIVER	MINISTRY
ERNESTOWN TOWNSHIP ODESSA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.200	MILLHAVEN CREEK	MINISTRY
ERNESTOWN TOWNSHIP AMHERSTVIEW LAGOON	CONVENTIONAL LAGOON SEASONAL	.526	COLLINS CR. N.CHANNEL	MINISTRY
FRANKFORD VILLAGE FRANKFORD W P C P	CONTACT STABILIZATION PHOSPHORUS REMOVAL	.300	TRENT RIVER	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE		CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
GANANOQUE SEPARATED TOWN GANANOQUE LAGOON	CONVENTIONAL LAGOON	CONTINUOUS	.700	STOCKING CR GANANOQUE R	MINISTRY
GOULBOURN TOWNSHIP RICHMOND LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.310	JOCK RIVER	MINISTRY
HAWKESBURY TOWN HAWKESBURY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL		2.700	OTTAWA RIVER	MINISTRY
IROQUOIS VILLAGE MUNICIPAL PLANT	PRIMARY		.500	ST. LAWRENCE RIVER	MUNICIPALITY
KEMPTVILLE TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL		.500	KEMPTVILLE CREEK	MUNICIPALITY
KINGSTON CITY MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL		13.500	ST LAWRENCE RIVER	MUNICIPALITY
KINGSTON TWP TOWNSHIP KINGSTON TWP WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL		2.450	LAKE ONTARIO	MINISTRY
L'ORIGNAL VILLAGE L'ORIGNAL WPCP	EXTENDED AERATION		.190	OTTAWA RIVER	MINISTRY
LANCASTER VILLAGE LANCASTER LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.130	FINNEY CREEK	MINISTRY
LEEDS & LANSDOWNE TOWNSHIP LANSDOWNE LAGOON (no discharge in 1978)	LAGOON WITH SPRAY		.110	LARUE MILLS CREEK	MINISTRY
MADOC VILLAGE MADOC LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.300	MOIRA RIVER	MINISTRY
MARMORA VILLAGE MARMORA STP	EXTENDED AERATION PHOSPHORUS REMOVAL		.191	CROWE RIVER	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MERRICKVILLE VILLAGE MERRICKVILLE WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.110	RIDEAU RIVER	MINISTRY
MORRISBURG VILLAGE MUNICIPAL PLANT	PRIMARY CONVENTIONAL LAGOON CONTINUOUS	.500	ST. LAWRENCE RIVER	MUNICIPALITY
NAPANEE TOWN NAPANEE WPCP	PRIMARY PHOSPHORUS REMOVAL	2.000	NAPANEE RIVER	MUNICIPALITY
NEPEAN TOWNSHIP WATTS CREEK PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	WATTS CREEK	MUNICIPALITY
OSNABRUCK TOWNSHIP INGLESIDE PLANT	PRIMARY	.300	ST. LAWRENCE RIVER	MUNICIPALITY
OTTAWA CITY GREEN CREEK PLANT	PRIMARY PHOSPHORUS REMOVAL	80.000	OTTAWA RIVER	MUNICIPALITY
PEMBROKE CITY PEMBROKE W P C P	PRIMARY	2.500	OTTAWA RIVER	MUNICIPALITY
PERTH TOWN PERTH LAGOON	CONVENTIONAL LAGOON CONTINUOUS	1.300	TAY RIVER	MUNICIPALITY
PETAWAWA VILLAGE PETAWAWA W P C P (DEPT NAT DEF)	PRIMARY PHOSPHORUS REMOVAL	1.600	OTTAWA RIVER	MINISTRY
PICTON TOWN PICTON W P C P	CONTACT STABILIZATION PHOSPHORUS REMOVAL	1.000	PICTON BAY	MUNICIPALITY
PITTSBURGH TOWNSHIP CANA SUBDIVISION PLANT	EXTENDED AERATION	.021	CATARAQUI RIVER	MINISTRY
PLANTAGENET VILLAGE PLANTAGENET LAGOON	CONVENTIONAL LAGOON SEASONAL	.158	SOUTH NATION RIVER	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
PRESCOTT SEPARATED TOWN PRESCOTT WPCP	PRIMARY PHOSPHORUS REMOVAL	1.000	ST. LAWRENCE RIVER	MINISTRY
RENFREW TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	1.900	BONNECHERE RIVER	MUNICIPALITY
ROCKLAND TOWN ROCKLAND LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	OTTAWA RIVER	MINISTRY
SIDNEY TWP TOWNSHIP BATAWA WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.125	TRENT RIVER	MINISTRY
SMITHS FALLS SEPARATED TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	2.500	RIDEAU RIVER	MUNICIPALITY
ST. ISIDORE DE PRESCOTT VILLAGE ST ISIDORE LAGOON	CONVENTIONAL LAGOON SEASONAL	.144	SCOTCH RIVER	MINISTRY
STIRLING VILLAGE STIRLING LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.250	RAWDON CREEK	MINISTRY
TRENTON TOWN TRENTON WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	BAY OF QUINTE	MINISTRY
TWEED VILLAGE TWEED LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.266	MOIRA RIVER	MINISTRY
VANKLEEK HILL TOWN VANKLEEK HILL LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	LITTLE RIDEAU CREEK	MINISTRY
WESTPORT VILLAGE WESTPORT LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.072	UPPER RIDEAU LAKE	MINISTRY
WINCHESTER VILLAGE WINCHESTER LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	CASTOR RIVER	MINISTRY

SOUTHEASTERN REGION

Regional Municipalities

Regional Municipalities

OTTAWA CARLETON

Total Capacity MIGD 88,310

(WASTEWATER TREATMENT)

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
GOULBOURN TOWNSHIP RICHMOND LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.310	JOCK RIVER	MINISTRY
NEPEAN TOWNSHIP WATTS CREEK PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	WATTS CREEK	MUNICIPALITY
OTTAWA CITY GREEN CREEK PLANT	PRIMARY PHOSPHORUS REMOVAL	80.000	OTTAWA RIVER	MUNICIPALITY
TOTAL CAPACITY		88.310		

SOUTHEASTERN REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems	Total Capacity (MIGD)
1	88,000

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: OTTAWA-CARLETON POLLUTION CONTROL SYSTEM

Number of Plants: TWO Number of Municipalities Served: SEVEN

Operated By: REGIONAL MUNICIPALITY OF OTTAWA-CARLTON

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
NEPEAN TWP. (Watts Creek Plant)	Conventional Secondary Phosphorus Removal	8.0	Goulbourn Twp. Nepean Twp. Ottawa City	Watts Creek
OTTAWA CITY (Green Creek Plant)	Primary Phosphorus Removal	80.0	Cumberland Twp. Gloucester Nepean Twp. Ottawa City Rockcliff Park Vanier City.	Ottawa River

Northeastern Region

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Ontario

Ministry of the Environment

REGIONAL OFFICE

SUDBURY
469 Bouchard St.
705-522-8282

DISTRICT OFFICES

North Bay
1500 Fisher St.
705-476-1001

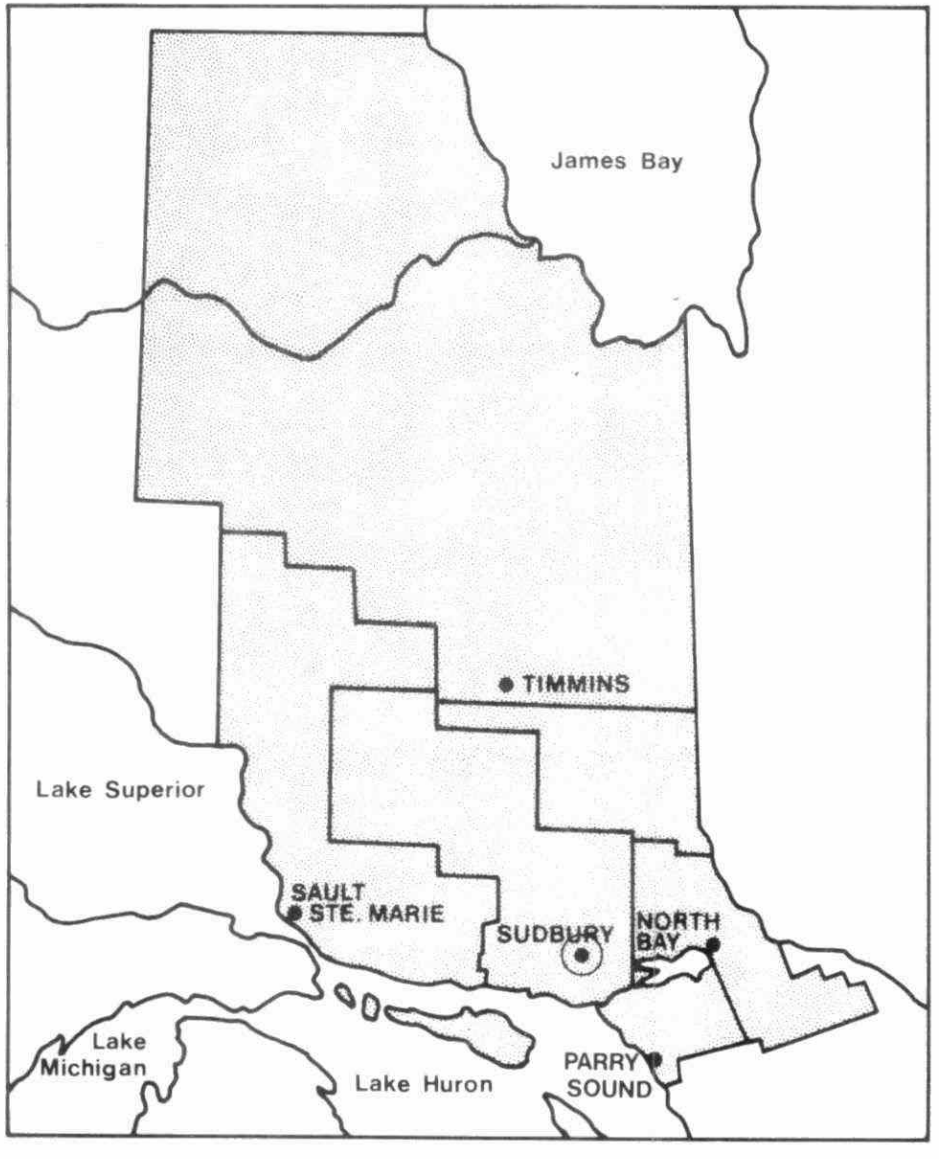
Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

Northeastern Region

Ministry of the Environment
Ontario



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NORTHEASTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	7	22.520
CONVENTIONAL SECONDARY	6	13.631
CONTACT STABILIZATION	4	4.362
EXTENDED AERATION	13	4.102
TRICKLING FILTER	1	.100
HIGH RATE	1	11.250
CONVENTIONAL LAGOON CONTINUOUS	11	2.201
CONVENTIONAL LAGOON SEASONAL	17	2.927
LAGOON WITH SPRAY	1	.040
OXIDATION DITCH	1	.350
TOTAL MINISTRY OPERATED WORKS	46	54.915
TOTAL MUNICIPALLY OPERATED WORKS	16	6.568
TOTAL TREATMENT WORKS	62	61.483

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE		CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ARMSTRONG TOWNSHIP EARLTON LAGOON	CONVENTIONAL LAGOON	SEASONAL	.080	EVANTUREL CREEK	MUNICIPALITY
ASSIGINACK TOWNSHIP MANITOWANING LAGOON	CONVENTIONAL LAGOON	SEASONAL	.120	LAKE HURON	MINISTRY
BLACK R.MATHESON (R.) TOWNSHIP RAMORE LAGOON	CONVENTIONAL LAGOON	CONTINUOUS	.027	BLACK RIVER	MINISTRY
BLACK RIVER - MATHESON TOWNSHIP VAL GAGNE LAGOON	CONVENTIONAL LAGOON	SEASONAL	.050	BLACK RIVER	MINISTRY
BLACK RIVER - MATHESON TOWNSHIP HOLTYRE PLANT	COMMUNAL SEPTIC TANK		.055	BLACK RIVER	MUNICIPALITY
BLACK RIVER MATHESON TOWNSHIP MATHESON WPCP	EXTENDED AERATION		.150	BLACK RIVER	MINISTRY
BRUCE MINES TOWN BRUCE MINES LAGOON	CONVENTIONAL LAGOON	SEASONAL	.070	L.HURON(ST.JOSEPH CHNL.)	MINISTRY
BURKS FALLS VILLAGE BURKS FALLS LAGOON	CONVENTIONAL LAGOON	SEASONAL	.190	MAGNETAWAN RIVER	MINISTRY
CALDWELL TOWNSHIP VERNER LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.140	VEUVE RIVER	MINISTRY
CAPREOL TOWN CAPREOL LAGOON	CONVENTIONAL LAGOON	SEASONAL	.340	VERMILION RIVER	MUNICIPALITY
CHAPLEAU TOWNSHIP CHAPLEAU W P C P	PRIMARY		.400	CHAPLEAU LAKE	MUNICIPALITY
COCHRANE TOWN MUNICIPAL PLANT	EXTENDED AERATION EFFLUENT POLISHING		.600	LILLABELLE LAKE	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ELLIOT LAKE TOWN PLANT ONE	CONVENTIONAL SECONDARY	.487	HORNE LAKE	MUNICIPALITY
ELLIOT LAKE TOWN PLANT TWO	PRIMARY	1.000	ANGEL LAKE	MUNICIPALITY
ENGLEHART TOWN ENGLEHART LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.200	ENGLEHART RIVER	MINISTRY
ESPANOLA TOWN ESPANOLA WPCP	PRIMARY	.660	SPANISH RIVER	MINISTRY
FAUQUIER TOWNSHIP MOONBEAM LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.060	CREEK SYS TO GROUNDHOG R	MINISTRY
HAILEBURY TOWN NORTH COBALT LAGOON	CONVENTIONAL LAGOON SEASONAL	.100	FARR CREEK	MINISTRY
HAILEYBURY TOWN HAILEYBURY WPCP	CONTACT STABILIZATION	.350	LAKE TIMISKAMING	MINISTRY
HEARST TOWN HEARST LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.500	MATTAWISHKWIA RIVER	MINISTRY
IROQUOIS FALLS TOWN IROQUOIS FALLS WPCP	CONTACT STABILIZATION	.900	ABITIBI RIVER	MINISTRY
JACK & NOBLE TOWNSHIP GOGAMA W P C P (ONT GOVT SERVICES)	EXTENDED AERATION	.012	MINISINAKWA LAKE	MINISTRY
KAPUSKASING TOWN MUNICIPAL PLANT	COMMUNAL SEPTIC TANK CONVENTIONAL LAGOON CONTINUOUS	.400	GLOUGH CREEK	MUNICIPALITY
KIRKLAND LAKE TOWN MUNICIPAL PLANT	CONTACT STABILIZATION	3.000	MURDOCK CREEK	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
KIRKLAND LAKE TOWN CHAPUT HUGHES	COMMUNAL SEPTIC TANK	.050	AMIKOUGAMI CREEK	MUNICIPALITY
KIRKLAND LAKE TOWN SWASTIKA	COMMUNAL SEPTIC TANK	.065	BLANCHE RIVER	MUNICIPALITY
LARDER LAKE TOWNSHIP LARDER LAKE TOWNSITE PLANT	PRIMARY	.130	LARDER LAKE	MUNICIPALITY
LATCHFORD TOWN LATCHFORD WPCP	EXTENDED AERATION	.075	MONTREAL RIVER	MINISTRY
LITTLE CURRENT TOWN LITTLE CURRENT LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.100	DITCH TO GEORGIAN BAY	MINISTRY
MATTAWA TOWN MATTAWA LAGOON	CONVENTIONAL LAGOON (CONTINUOUS) EXFILTRATION	.180	MATTAWA RIVER	MINISTRY
MCDOUGALL TOWNSHIP NOBEL PLANT	COMMUNAL SEPTIC TANK	.040	GUNCOTTON CREEK	MUNICIPALITY
MCGARRY TOWNSHIP VIRGINIATOWN AND KEARNS PLANT	COMMUNAL SEPTIC TANK	.160	TAILINGS PD TO LARDER L.	MUNICIPALITY
MICHIPICOTEN TOWNSHIP WAWA LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.400	MAGPIE RIVER	MINISTRY
MOOSONEE DEV'L AREA BD DEVELOPMENT AREA MOOSONEE W P C P (OLD TOWNSITE)	CONTACT STABILIZATION	.112	STORE CK TO MOOSE RIVER	MINISTRY
MOOSONEE DEV'L AREA BD DEVELOPMENT AREA MOOSE FACTORY W P C P (ENV CAN)(ISLAND)	EXTENDED AERATION	.055	MOOSE RIVER	MINISTRY
MOOSONEE DEV'L AREA BD DEVELOPMENT AREA MOOSONEE NORTH W P C P	EXTENDED AERATION	.055	BUTLER CK TO MOOSE RIVER	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
NEW LISKEARD TOWN NEW LISKEARD LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.637	WABI RIVER	MINISTRY
NICKEL CENTRE TOWN CONISTON W P C P	OXIDATION DITCH CONVENTIONAL SECONDARY	.350	CONISTON CREEK	MINISTRY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE W P C P	TRICKLING FILTER	.100	BOUCHER LAKE	MUNICIPALITY
NICKEL CENTRE TOWN GARSON LAGOON	CONVENTIONAL LAGOON SEASONAL	.760	JUNCTION CREEK	MUNICIPALITY
NORTH BAY CITY NORTH BAY WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	LAKE NIPISSING	MINISTRY
NORTH HIMSWORTH TOWNSHIP CALLANDER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.105	DITCH TO CALLANDER BAY	MINISTRY
ONAPING FALLS TOWN ONAPING PLANT	CONVENTIONAL SECONDARY	.144	SWAMP	MUNICIPALITY
ONAPING FALLS TOWN LEVACK PLANT	EXTENDED AERATION	.320	ONAPING RIVER	MUNICIPALITY
OWENS,WILLIAMSON-IDING'T TOWNSHIP VAL-RITA LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.155	CREEK TO KAPUSKASING R.	MINISTRY
PARRY SOUND TOWN PARRY SOUND WPCP	PRIMARY PHOSPHORUS REMOVAL	.830	MC CURRY LAKE	MINISTRY
PINARD TOWNSHIP FRASERDALE LAGOON (ONT. HYDRO)	CONVENTIONAL LAGOON CONTINUOUS	.010	ABITIBI RIVER	MINISTRY
POWASSAN TOWN POWASSAN LAGOON	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.070	GENESEE CREEK	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
RATTER & DUNNETT TOWNSHIP WARREN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.133	VEUVE RIVER	MINISTRY
RAYSIDE BALFOUR TOWN CHELMSFORD W P C P (PLANT ONE)	EXTENDED AERATION CONTACT STABILIZATION	.675	WHITSON CREEK	MINISTRY
RAYSIDE-BALFOUR TOWN AZILDA W P C P	EXTENDED AERATION	.400	WHITEWATER LAKE	MINISTRY
RAYSIDE-BALFOUR TOWN CHELMSFORD LAGOON (PLANT ONE)	CONVENTIONAL LAGOON SEASONAL	.300	MCKENZIE CREEK	MUNICIPALITY
SAULT STE MARIE CITY SAULT STE.MARIE WPCP	PRIMARY	12,000	ST. MARY'S RIVER	MINISTRY
SHACKLETON AND MACHIN TOWNSHIP FAUQUIER LAGOON	CONVENTIONAL LAGOON SEASONAL	.080	TO GROUNDHOG RIVER	MINISTRY
SMOOTH ROCK FALLS TOWN SMOOTH ROCK FALLS WPCP	EXTENDED AERATION	.360	MATTAGAMI RIVER	MINISTRY
STURGEON FALLS TOWN STURGEON FALLS WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	STURGEON RIVER	MINISTRY
SUDBURY CITY SUDBURY WPCP	HIGH RATE	11.250	JUNCTION CREEK	MINISTRY
SUDBURY CITY COPPER CLIFF PLANT	CONVENTIONAL SECONDARY	1.500	JUNCTION CREEK	MUNICIPALITY
SUNDRIDGE VILLAGE SUNRIDGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.144	BERNARD CREEK	MINISTRY
TEMAGAMI TOWNSHIP TEMAGAMI LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.060	SNAKE ISLAND LAKE	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
TEMAGAMI TOWNSHIP TEMAGAMI NORTH-GOWARD LAGOON	LAGOON WITH SPRAY	.040	NET LAKE	MUNICIPALITY
TIMMINS CITY WHITNEY - TISDALE WPCP	EXTENDED AERATION	.750	PORCUPINE RIVER	MINISTRY
TIMMINS CITY MATTAGAMI WPCP (EXPAND TO 7.5 MG IN 78)	PRIMARY	7.500	MATTAGAMI RIVER	MINISTRY
TIMMINS CITY BOB'S LAKE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.017	BOB'S CK TO PORCUPINE L.	MUNICIPALITY
VALLEY EAST TOWN HAMNER,VAL CARON,VAL THERESE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	VERMILION RIVER	MINISTRY
WALDEN TOWN LIVELY PLANT	EXTENDED AERATION	.350	MEATBIRD CREEK	MUNICIPALITY
WEBBWOOD TOWN WEBBWOOD LAGOON	CONVENTIONAL LAGOON SEASONAL	.100	GOUGH CREEK	MINISTRY
WICKSTEED TOWNSHIP HORNEPAYNE WPCP	EXTENDED AERATION	.300	JACKFISH RIVER	MINISTRY

NORTHEASTERN REGION

Regional Municipalities

Regional Municipalities — Total Capacity MIGD 18,989

SUDBURY — (WASTEWATER TREATMENT)

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAPREOL TOWN CAPREOL LAGOON	CONVENTIONAL LAGOON SEASONAL	.340	VERMILION RIVER	MUNICIPALITY
NICKEL CENTRE TOWN CONISTON W P C P	OXIDATION DITCH CONVENTIONAL SECONDARY	.350	CONISTON CREEK	MINISTRY
NICKEL CENTRE TOWN GARSON LAGOON	CONVENTIONAL LAGOON SEASONAL	.760	JUNCTION CREEK	MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE W P C P	TRICKLING FILTER	.100	BOUCHER LAKE	MUNICIPALITY
ONAPING FALLS TOWN ONAPING PLANT	CONVENTIONAL SECONDARY	.144	SWAMP	MUNICIPALITY
ONAPING FALLS TOWN LEVACK PLANT	EXTENDED AERATION	.320	ONAPING RIVER	MUNICIPALITY
RAYSIDE BALFOUR TOWN CHELMSFORD W P C P (PLANT ONE)	EXTENDED AERATION CONTACT STABILIZATION	.675	WHITSON CREEK	MINISTRY
RAYSIDE-BALFOUR TOWN AZILDA W P C P	EXTENDED AERATION	.400	WHITEWATER LAKE	MINISTRY
RAYSIDE-BALFOUR TOWN CHELMSFORD LAGOON (PLANT ONE)	CONVENTIONAL LAGOON SEASONAL	.300	MCKENZIE CREEK	MUNICIPALITY
SUDBURY CITY SUDBURY WPCP	HIGH RATE	11.250	JUNCTION CREEK	MINISTRY
SUDBURY CITY COPPER CLIFF PLANT	CONVENTIONAL SECONDARY	1.500	JUNCTION CREEK	MUNICIPALITY

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
VALLEY EAST TOWN HAMNER, VAL CARON, VAL THERESE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	VERMILION RIVER	MINISTRY
WALDEN TOWN LIVELY PLANT	EXTENDED AERATION	.350	MEATBIRD CREEK	MUNICIPALITY
TOTAL CAPACITY		18.989		

Northwestern Region
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Northwestern Region

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NORTHWESTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
PRIMARY	5	26,780
CONVENTIONAL SECONDARY	1	,500
CONTACT STABILIZATION	4	4,290
EXTENDED AERATION	5	1,800
CONVENTIONAL LAGOON CONTINUOUS	2	1,200
CONVENTIONAL LAGOON SEASONAL	2	,390
TOTAL MINISTRY OPERATED WORKS	11	5,880
TOTAL MUNICIPALLY OPERATED WORKS	8	29,080
TOTAL TREATMENT WORKS	19	34,960

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ATIKOKAN TOWNSHIP MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.400	ATIKOKAN RIVER	MUNICIPALITY
ATWOOD TOWNSHIP RAINY RIVER LAGOON	CONVENTIONAL LAGOON SEASONAL	.190	RAINY RIVER	MINISTRY
BAIRD TOWNSHIP MADSEN COMMUNITY	COMMUNAL SEPTIC TANK	.060	RED LAKE	MINISTRY
BALMERTOWN IMPROVEMENT DISTRICT COCHENOUR TOWNSITE PLANT	COMMUNAL SEPTIC TANK	.030	RED LAKE	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT BALMERTOWN TOWNSITE PLANT	COMMUNAL SEPTIC TANK	.100	BALMER CREEK	MUNICIPALITY
BEARDMORE TOWNSHIP * BEARDMORE (EXFILTRATION LAGOON)	CONVENTIONAL LAGOON (CONTINUOUS)	.900	*(BLACKWATER RIVER)	MINISTRY
DRYDEN TOWN DRYDEN W P C P	CONTACT STABILIZATION	1.500	WABIGOON RIVER	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS W P C P	EXTENDED AERATION CONTACT STABILIZATION	.400	ENGLISH RIVER	MINISTRY
EMO TOWNSHIP EMO LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	RAINY RIVER	MINISTRY
FORT FRANCES TOWN FORT FRANCES WPCP	PRIMARY	2.000	RAINY RIVER	MINISTRY
GERALDTON TOWN GERALDTON W P C P	EXTENDED AERATION CONTACT STABILIZATION	.400	LAKE KENOGAMISIS	MINISTRY
IGNACE TOWNSHIP IGNACE W P C P	EXTENDED AERATION CONTACT STABILIZATION	.550	AGIMAC CREEK	MINISTRY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
KENORA TOWN KENORA WPCP	CONTACT STABILIZATION	2.000	WINNIPEG RIVER	MUNICIPALITY
LONGLAC TOWNSHIP LONGLAC W P C P	CONTACT STABILIZATION EXTENDED AERATION	.540	SUICIDE RIVER	MINISTRY
MANITOUWADGE TOWNSHIP MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.400	RUDDER LAKE	MUNICIPALITY
MARATHON TOWNSHIP MUNICIPAL PLANT	PRIMARY	.140	LAKE SUPERIOR	MUNICIPALITY
NAKINA IMPROVEMENT DISTRICT MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.060	HOWARD CREEK	MINISTRY
NIPIGON TOWNSHIP MUNICIPAL PLANT	PRIMARY	.360	NIPIGON RIVER	MUNICIPALITY
PICKLE LAKE IMPROVEMENT DISTRICT PICKLE LAKE WPCP	EXTENDED AERATION	.200	KAWINOGANS RIVER	MINISTRY
RED LAKE TOWNSHIP RED LAKE W P C P	CONTACT STABILIZATION EXTENDED AERATION	.250	HOWEY BAY	MINISTRY
RED ROCK IMPROVEMENT DISTRICT RED ROCK W P C P (NEW PLANT IN 78)	PRIMARY	.280	NIPIGON BAY	MUNICIPALITY
SCHREIBER TOWNSHIP SCHREIBER W P C P	EXTENDED AERATION	.250	CREEK TO L.SUPERIOR	MINISTRY
SIOUX LOOKOUT TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	.500	PELICAN LAKE	MUNICIPALITY
TERRACE BAY TOWNSHIP TERRACE BAY LAGOON (NO DISCHARGE 78)	CONVENTIONAL LAGOON (CONTINUOUS)	.300	EXFILTRATION TO SUPERIOR	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
THUNDER BAY CITY THUNDER BAY SOUTH WARD WPCP EX 78	PRIMARY	24,000	KAMINISTIKWIA RIVER	MUNICIPALITY

PART -- II

WATER

1978

PART II -- WATER TREATMENT

Water, in terms of quality and quantity varies widely throughout the Province and as may be expected, the quality and intended use of the supply dictates the degree and type of treatment necessary.

Groundwater is characteristically cool, generally requires little treatment and suffers only slight temperature variations, hence, it is often the first to be investigated as a source of supply. While hardness is often a concern with groundwater the main problem is its extraction in sufficient quantity to meet our increasing growth patterns. Quantity is not usually a problem with surface sources but treatment becomes the rule rather than the exception. The removal of turbidity, colour, tastes, odours, chemical substances and micro-organisms that would constitute a health hazard is achieved through various treatment methods. Sometimes only a few of these undesirable characteristics are present in a water supply; consequently, the method of treatment is selected only after the results of careful physical, bacteriological and chemical analyses are known.

All surface sources of supply, are disinfected by chlorination to kill pathogenic bacteria (disease organisms). Groundwater is chlorinated where disease organisms are present or where a potential danger of contamination exists.

The object of treatment is to use the most effective processes and equipment to remove the impurities found in a particular source, for this reason all or any of the following methods or items may be employed in a plant.

Screening (Physical Treatment)

The raw or untreated water passes through coarse and fine screens which removes the larger particles.

Algae Removal by Microstraining (Physical Treatment)

If algae is a problem in the raw water then it may be passed through a microstrainer which is a rotating drum covered with a finely woven blanket of stainless steel or cloth fabric. The blanket opening size is chosen based on the type of algae encountered and as the water passes through the microstrainer the algae are enmeshed on the blanket. Some units are equipped with an ultra-violet light attachment which acts as a germicidal agent on the water and reduces or controls the growths on the fabric. The microstrainer is backwashed or flushed with water to remove the accumulated algae and clean the blanket.

Color, Turbidity and Bacteria Removal by Coagulation and Flocculation

Chemical coagulants such as alum or lime are added and thoroughly mixed with the water. After a short period a sticky gelatinous precipitate is formed which absorbs colour and entangles mud, bacteria and suspended matter. The gelatinous mass is agitated and builds up into clumps or flocs which grow large and finally become heavy enough with impurities to be

removed from the water by settling. The water is reasonably clear after this procedure and the settled material is removed for suitable disposal.

Turbidity and Bacteria Removal by Filtration (Physical Treatment)

After coagulation and flocculation the water is passed through a filter or if water quality permits, the raw water may be ready for filtration after screening and/or microstraining.

The gravity filter and the pressure filter are the two main types employed to remove minute impurities from the water. The gravity filter is an open rectangular tank, equipped with a straining system, (media) which generally consists of graded sand and gravel or possibly anthracite (a type of hard coal) and an underdrain system where the filtered water is collected. As the water passes through the filter the impurities are transferred or trapped in the media. Cleaning is effected by reversing the flow in the filter (backwashing). The pressure filter employs the same principles, the difference being that the water is forced under pressure through the media in a closed vessel.

Disinfection by Chlorination

Before the water is delivered to the consumer or storage facility it is essential that pathogenic bacteria or disease producing organisms are killed. Chlorination achieves this end provided that the turbidity is at a sufficiently low level and adequate contact is provided.

PROVINCIAL SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
GROUND SOURCE	154	160.794
GROUND SOURCE PHYSCL TRTMT	22	33.314
GROUND SOURCE CHEM TRTMT	36	64.602
GROUND SOURCE PHYSC & CHEM TRTMT	7	15.819
SURFC SOURCE	73	213.192
SURFC SOURCE PHYSCL TREATMENT	18	62.177
SURFC SOURCE CHEM TREATMENT	2	2.844
SURFC SOURCE PHYSC & CHEM TRTMT	115	1,401.138
TOTAL MINISTRY OPERATED WORKS	87	311.770
TOTAL MUNICIPALLY OPERATED WORKS	340	1,642.110
TOTAL TREATMENT WORKS	427	1,953.880

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

OF THE 427 WATER TREATMENT WORKS IN THE PROVINCE 22 ARE AREA WATER SUPPLY PLANTS. THESE CONSTITUTE 49% OF THE TOTAL PROVINCIAL CAPACITY AND PROVIDE WATER TO 72 MAJOR WATER DISTRIBUTION SYSTEMS.

Southwestern Region

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Southwestern Region

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SOUTHWESTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
GROUND SOURCE	42	33,923
GROUND SOURCE PHYSCL TRTMT	4	6,800
GROUND SOURCE CHEM TRTMT	8	4,406
GROUND SOURCE PHYS & CHEM TRTMT	3	10,394
SURFC SOURCE	3	3,139
SURFC SOURCE PHYSCL TREATMT	2	3,868
SURFC SOURCE CHEM TRTMT	1	.684
SURFC SOURCE PHYS & CHEM TRTMT	25	206,869
TOTAL MINISTRY OPERATED WORKS	15	115,467
TOTAL MUNICIPALLY OPERATED WORKS	73	154,616
TOTAL TREATMENT WORKS	88	270,083

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

OF THE 88 WATER TREATMENT WORKS IN THE SOUTHWESTERN REGION 12 ARE AREA WATER SUPPLY PLANTS. THESE CONSTITUTE 70% OF THE TOTAL REGIONAL CAPACITY AND PROVIDE WATER TO 50 MAJOR WATER DISTRIBUTION SYSTEMS.

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AILSA CRAIG VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON WSS)	MINISTRY
ALVINSTON VILLAGE ALVINSTON PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.166	SYDENHAM RIVER	MINISTRY
AMHERSTBURG TOWN AMHERSTBURG AREA WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4,000	DETROIT RIVER	MINISTRY
ANDERDON TOWNSHIP ANDERDON SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(AMHERSTBURG AREA W S S)	MINISTRY
ARKONA VILLAGE ARKONA SUPPLY	GROUND SOURCE CHLORINATION	.144		MINISTRY
AYLMER TOWN MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	1,296		MUNICIPALITY
BAYHAM TOWNSHIP BAYHAM SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(ELGIN AREA W S S)	MINISTRY
BELLE RIVER TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4,000	LAKE ST CLAIR	MUNICIPALITY
BELMONT VILLAGE BELMONT WELL SUPPLY	GROUND SOURCE	.318		MUNICIPALITY
BIDDULPH TOWNSHIP GRANTON POLICE VILLAGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.201		MINISTRY
BLENHEIM TOWN BLENHEIM AREA WATER SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1,000	LAKE ERIE	MINISTRY
BLYTH VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.190		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BOSANQUET TOWNSHIP BOSANQUET SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON W S S)	MINISTRY
BRUSSELS VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.140		MUNICIPALITY
CHATHAM CITY KENT COUNTY WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	10.000	LAKE ERIE	MUNICIPALITY
CHESLEY TOWN CHESLEY WELL SUPPLY	GROUND SOURCE	.828		MUNICIPALITY
CLINTON TOWN CLINTON SUPPLY	GROUND SOURCE	2.390		MUNICIPALITY
COLCHESTER NORTH TOWNSHIP MCGREGOR HAMLET SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(AMHERSTBURG AREA WSS)	MINISTRY
COLCHESTER SOUTH TOWNSHIP COLCHESTER HAMLET SUPPLY	(WATER IS SUPPLIED BY)		(HARROW-COLCHESTER S.WSS	MINISTRY
DOVER TOWNSHIP MITCHELL'S BAY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.250	LAKE ST CLAIR	MINISTRY
DOVER TOWNSHIP PAINCOURT SUPPLY	GROUND SOURCE CHLORINATION	.020		MUNICIPALITY
DOWNIE TOWNSHIP ST PAULS MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.059		MUNICIPALITY
DRESDEN TOWN DRESDEN PLANT	SURFC SOURCE CHEM TREATMENT CHLORINATION	.684	SYDENHAM RIVER	MINISTRY
DUNDALK VILLAGE DUNDALK SUPPLY	GROUND SOURCE CHLORINATION	.432		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DURHAM TOWN MUNICIPAL PLANT	GROUND SOURCE	.763		MUNICIPALITY
DUTTON VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(WEST LORNE WATER SUPPLY	MUNICIPALITY
EAST WILLIAMS TOWNSHIP NAIRN SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON WSS)	MINISTRY
EAST ZORRA-TAVISTOCK TOWNSHIP TAVISTOCK SUPPLY	GROUND SOURCE CHLORINATION	1.123		MUNICIPALITY
ELLICE TOWNSHIP BRUNNER MUNICIPAL SUPPLY	GROUND SOURCE	.025		MUNICIPALITY
ELMA TOWNSHIP ATWOOD MUNICIPAL SUPPLY	GROUND SOURCE	.065		MUNICIPALITY
ENNISKILLEN TOWNSHIP ENNISKILLEN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(PETROLIA W S S)	MUNICIPALITY
ERIE BEACH VILLAGE ERIE BEACH SUPPLY	(WATER IS SUPPLIED BY)		(KENT COUNTY W S S)	MINISTRY
ESSEX TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(UNION-ESSEX WSS)	MUNICIPALITY
EXETER TOWN EXETER PLANT	GROUND SOURCE SURFC SOURCE PHYSCL TREATMT CHLORINATION	2.080	AUSABLE RIVER	MUNICIPALITY
FOREST TOWN MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.300		MUNICIPALITY
GLENCOE VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.108		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
GODERICH TOWN GODERICH WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3,000	LAKE HURON	MINISTRY
GOSFIELD NORTH TOWNSHIP GOSFIELD SUPPLY	(WATER IS SUPPLIED BY)		(UNION WSSEX W S S)	MINISTRY
GOSFIELD SOUTH TOWNSHIP UNION-ESSEX WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	16,000	LAKE ERIE	MINISTRY
GRAND BEND VILLAGE GRAND BEND SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON WSS)	MUNICIPALITY
HANOVER TOWN HANOVER	SURFC SOURCE GROUND SOURCE CHLORINATION	2,000	RUHL LAKE	MUNICIPALITY
HARROW TOWN HARROW-COLCHESTER S, WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2,250	LAKE ERIE	MINISTRY
HARWICH TOWNSHIP HARWICH SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(BLENHEIM AREA W S S)	MINISTRY
HENSALL VILLAGE MUNICIPAL PLANT	GROUND SOURCE	,576		MUNICIPALITY
INGERSOLL TOWN MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	3,500		MUNICIPALITY
KINCARDINE TOWN KINCARDINE W T P (UC DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1,730	LAKE HURON	MUNICIPALITY
KINGSVILLE TOWN KINGSVILLE SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(UNION-ESSEX WSS)	MUNICIPALITY
LEAMINGTON TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(UNION-ESSEX WSS)	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
LIONS HEAD VILLAGE PRIVATE PLANT	SURFC SOURCE CHLORINATION	.089	GEORGIAN BAY	MUNICIPALITY
LISTOWEL TOWN MUNICIPAL PLANT	GROUND SOURCE PHYSCL TRTMT	2.400		MUNICIPALITY
LONDON TOWNSHIP DENFIELD HAMLET SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON W S S)	MINISTRY
LONDON CITY LONDON CITY SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION		(LAKE HURON WSS)	MUNICIPALITY
LONDON TOWNSHIP ILDERTON POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(LAKE HURON WSS)	MUNICIPALITY
LUCAN VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.344		MUNICIPALITY
LUCKNOW VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.504		MUNICIPALITY
MAIDSTONE TOWNSHIP WOODSLEA AREA SUPPLY	(WATER IS SUPPLIED BY)		(UNION ESSEX W S S)	MUNICIPALITY
MALAHIDE TOWNSHIP MALAHIDE SUPPLY	(WATER IS SUPPLIED BY)		(ELGIN AREA W S S)	MINISTRY
MALDEN TOWNSHIP MALDEN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(AMHERSTBURG AREA W S S)	MINISTRY
MARKDALE VILLAGE MUNICIPALITY	GROUND SOURCE CHLORINATION	.864		MUNICIPALITY
MCGILLIVRAY TOWNSHIP MC GILLIVRAY SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON W S S)	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MEAFORD TOWN MEAFORD W T P (UC DIRECT FILTRATION)	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	3.168	GEORGIAN BAY	MUNICIPALITY
MERSEA TOWNSHIP MERSEA SUPPLY	(WATER IS SUPPLIED BY)		(UNION ESSEX W S S)	MUNICIPALITY
MILDMAY VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.283		MUNICIPALITY
MILVERTON VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.287		MUNICIPALITY
MITCHELL TOWN MITCHELL WTP	GROUND SOURCE PHYSCL TRTMT	.720		MUNICIPALITY
MOORE TOWNSHIP CORUNNA POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY WSS)	MINISTRY
MOORE TOWNSHIP MOORETOWN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY W S S)	MINISTRY
MOORE TOWNSHIP COURTRIGHT MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY W S S)	MINISTRY
MOORE TOWNSHIP BRIGDEN POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY WSS)	MINISTRY
NORTH DORCHESTER TOWNSHIP DORCHESTER P.V. MUN PLANT	GROUND SOURCE CHLORINATION	.490		MUNICIPALITY
NORWICH TOWNSHIP SPRINGFORD HAMLET SUPPLY	GROUND SOURCE	.082		MUNICIPALITY
NORWICH TOWNSHIP OTTERVILLE PV MUNICIPAL SUPPLY	GROUND SOURCE	.187		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
NORWICH TOWNSHIP NORWICH SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.123		MUNICIPALITY
OIL SPRINGS VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.064		MUNICIPALITY
OWEN SOUND CITY SPRING SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	1.100		MUNICIPALITY
OWEN SOUND CITY OWEN SOUND W T P (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.700	GEORGIAN BAY	MUNICIPALITY
PAISLEY VILLAGE PAISLEY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.342	TEESWATER RIVER	MUNICIPALITY
PARKHILL TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(LAKE HURON WSS)	MUNICIPALITY
PETROLIA TOWN PETROLIA WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3.000	BRIGHTS GROVE (L HURON)	MUNICIPALITY
PLYMPTON TOWNSHIP PLYMPTON TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(PETROLIA W S S)	MUNICIPALITY
POINT EDWARD VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNTY WSS)	MINISTRY
PORT BURWELL VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(ELGIN AREA WSS)	MINISTRY
PORT ELGIN TOWN PORT ELGIN W T P (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.915	LAKE HURON	MUNICIPALITY
PORT STANLEY VILLAGE PORT STANLEY W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.600	LAKE ERIE	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
RALEIGH TOWNSHIP RALEIGH SUPPLY (ONT HOS CEDAR SPRINGS)	(WATER IS SUPPLIED BY) FLUORIDATION		(BLENHEIM AREA W S S)	MINISTRY
RIDGETOWN TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.400		MUNICIPALITY
RIPLEY VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.270		MUNICIPALITY
ROCHESTER TOWNSHIP ROCHESTER TWP. SUPPLY	(WATER IS SUPPLIED BY)		(UNION ESSEX W S S)	MINISTRY
RODNEY VILLAGE RODNEY SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(WEST LORNE WATER SUPPLY	MUNICIPALITY
SANDWICH SOUTH TOWNSHIP SANDWICH SOUTH SUPPLY	(WATER IS SUPPLIED BY)		(UNION-ESSEX W S S)	MINISTRY
SANDWICH SOUTH TOWNSHIP SANDWICH S. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(WINDSOR AREA W S S)	MUNICIPALITY
SANDWICH WEST TOWNSHIP SANDWICH WEST TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(WINDSOR AREA W S S)	MUNICIPALITY
SARNIA CITY LAMBTON COUNTY WATER SUPPLY SYSTEM (D-F)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	40,000	LAKE HURON	MINISTRY
SARNIA TOWNSHIP SARNIA TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY W S S)	MINISTRY
SARNIA TOWNSHIP BRIGHTS GROVE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(PETROLIA WSS)	MUNICIPALITY
SEAFORTH TOWN SEAFORTH SUPPLY	GROUND SOURCE CHLORINATION	.720		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
SOMBRA TOWNSHIP PORT LAMBTON P V SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY WSS)	MUNICIPALITY
SOMBRA TOWNSHIP SOMBRA P V SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(LAMBTON COUNTY WSS)	MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP MT ELGIN HAMLET SUPPLY	GROUND SOURCE CHLORINATION	.057		MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP BROWNSVILLE HAMLET SUPPLY	GROUND SOURCE	.062		MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP BEACHVILLE-LOWEVILLE SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.050		MUNICIPALITY
SOUTHAMPTON TOWN SOUTHAMPTON W T P (DIRECT FILTRATION)	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.700	LAKE HURON	MINISTRY
SOUTHWOLD TOWNSHIP SOUTHWOLD SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(ELGIN AREA W S S)	MINISTRY
ST CLAIR BEACH VILLAGE ST CLAIR BEACH SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(WINDSOR WATER SUPPLY)	MUNICIPALITY
ST MARYS SEPARATED TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	2.300		MUNICIPALITY
ST THOMAS CITY MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(ELGIN AREA WSS)	MINISTRY
STEPHEN TOWNSHIP LAKE HURON WATER SUPPLY SYSTEM (D-F)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	37.000	LAKE HURON	MINISTRY
STEPHEN TOWNSHIP CENTRALIA IND PARK SUPPLY	GROUND SOURCE CHLORINATION	.700		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
STRATFORD CITY MUNICIPAL PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	6.178		MUNICIPALITY
STRATHROY TOWN MUNICIPAL PLANT	GROUND SOURCE	3.400		MUNICIPALITY
TARA VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.118		MUNICIPALITY
TECUMSEH TOWN TECUMSEH SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(WINDSOR WATER SUPPLY)	MUNICIPALITY
TEESWATER VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.569		MUNICIPALITY
THEDFORD VILLAGE THEDFORD WWKS	GROUND SOURCE CHLORINATION	.072		MINISTRY
THORNBURY TOWN THORNBURY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.608	BEAVER RIVER	MUNICIPALITY
TILBURY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1.497	LAKE ST.CLAIR	MUNICIPALITY
TILBURY NORTH TOWNSHIP STONEY POINT P.V. WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.864	LAKE ST.CLAIR	MUNICIPALITY
TILBURY W. TOWNSHIP COMBER POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(TILBURY NORTH W S S)	MINISTRY
TILLSONBURG TOWN TILLSONBURG W T P	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	2.200		MUNICIPALITY
TIVERTON VILLAGE TIVERTON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.276		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
TUCKERSMITH TOWNSHIP VAN ASTRA	(WATER IS SUPPLIED BY) CHLORINATION		(CLINTON SUPPLY)	MINISTRY
TUCKERSMITH TOWNSHIP EGMONDVILLE PLANT	GROUND SOURCE	.013		MUNICIPALITY
VIENNA VILLAGE VIENNA SUPPLY	(WATER IS SUPPLIED BY)		(ELGIN AREA WSS)	MINISTRY
WALKERTON TOWN WALKERTON WELL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.865		MUNICIPALITY
WALLACE TOWNSHIP GOWANSTOWN WELL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.014		MUNICIPALITY
WALLACEBURG TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2.600	CHENAL ECARTE	MUNICIPALITY
WATFORD VILLAGE WATFORD SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(PETROLIA WSS)	MUNICIPALITY
WEST LORNE VILLAGE WEST LORNE WATER SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.547	LAKE ERIE	MUNICIPALITY
WEST WILLIAMS TOWNSHIP WEST WILLIAMS SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON W S S)	MINISTRY
WESTMINSTER TOWNSHIP WESTMINSTER SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON W S S)	MINISTRY
WESTMINSTER TOWNSHIP LAMBETH POLICE VILLAGE MUNICIPAL PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	2.016		MUNICIPALITY
WHEATLEY VILLAGE MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.800	LAKE ERIE	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WIARTON TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	1.050	GEORGIAN BAY	MUNICIPALITY
WINDSOR CITY MAIN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	60.000	DETROIT RIVER	MUNICIPALITY
WINGHAM TOWN WINGHAM SUPPLY	GROUND SOURCE CHLORINATION	2.660		MUNICIPALITY
WOODSTOCK CITY MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	8.850		MUNICIPALITY
WYOMING VILLAGE WYOMING SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(PETROLIA WSS)	MUNICIPALITY
YARMOUTH TOWNSHIP ELGIN AREA WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	10.000	LAKE ERIE	MINISTRY
ZORRA TOWNSHIP THAMESFORD PV MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.180		MUNICIPALITY
ZORRA TOWNSHIP EMBRO SUPPLY	GROUND SOURCE	.201		MUNICIPALITY
ZURICH VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.346		MUNICIPALITY

SOUTHWESTERN REGION

Area Water Supply Systems

Total Area Water Supply Systems	Total Capacity (MIGD)
12	189.661

AREA WATER SUPPLY SYSTEMS

SYSTEM: AMHERSTBURG-ANDERDON-MALDEN-WATER SUPPLY (AMHERSTBURG AREA W.S.S.)

Number of Plants: ONE Number of Municipalities Served: FOUR

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
ANDERDON TWP. (Near North End of Amherstburg)	Screening (power) Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	4.0	Amherstburg Town Colchester N. Twp. (McGregor) Malden Twp. Anderdon Twp.	Detroit River

SYSTEM: BLENHEIM AREA WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: THREE

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
BLENHEIM TOWN (Raleigh Twp. 4 mile west of Cedar Springs)	Screening (Manual) Coagulation Flocculation Sedimentation Filtration Fluoridation Chlorination	1.0	Harwich Twp. Raleigh Twp. (Ontario Hospital Cedar Springs) Blenheim Town	Lake Erie

SYSTEM: ELGIN AREA WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: SEVEN

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
YARMOUTH TOWNSHIP	Screening Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	10.0	Yarmouth Twp. Malahide Twp. Bayham Twp. Vienna Village St. Thomas City Port Burwell Village (Ford Motor Co. Ltd.) Southwold Twp.	Lake Erie

SYSTEM: HARROW-COLCHESTER SOUTH WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: TWO

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
HARROW TOWN	Microstraining Coagulation Flocculation Sedimentation Filtration Chlorination	2.25	Colchester S. Twp. -Colchester Hamlet Harrow Town	Lake Erie

SYSTEM: KENT COUNTY WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: TWO

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
*CHATHAM CITY (Intake is in Raleigh Twp.)	Screening Coagulation Flocculation Chlorination	15.0	Chatham City **(Erie Beach Village)	Lake Erie

*Note: Water from Lake Erie is pumped to Chatham's Treatment Plant which has a capacity of 10.0 MIGD
** Temporary Supply to Erie Beach.

SYSTEM: LAKE HURON WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: ELEVEN

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
STEPHEN TOWNSHIP (North of Grand Bend)	Screening Coagulation Flocculation Filtration Chlorination	37.0	Ailsa Craig Village Bosanquet Twp. Grand Bend Village London City London Twp. (Ilderton) (Denfield) McGillvray Twp. Parkhill Town Stephen Twp. East Williams Twp. (Nairn) West Williams Twp. Westminister Twp.	Lake Huron

SYSTEM: LAMBTON COUNTY WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: FIVE
Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
SARNIA CITY	Coagulation Flocculation Sedimentaiton Filtration Fluoridation Chlorination	40.0	Point Edward Village Sarnia City Sarnia Twp. Moore Twp. -Corunna - Mooretown -Courtright - Brigden Sombra Twp. -Sombra - Port Lambton	At confluence of St. Clair River and Lake Huron

SYSTEM: PETROLIA WATER SUPPLY

Number of Plants: ONE Number of Municipalities Served: SIX
Operated By: PETROLIA PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
SARNIA TOWNSHIP (Brights Grove)	Coagulation Flocculaiton Sedimentation Fluoridation Chlorination	3.0	Enniskillen Twp. Petrolia Town Plympton Twp. Sarnia Twp. - Brights Grove *Watford Village *Wyoming Village	Lake Huron

*Note: A Ministry operated pipeline connected to this system feeds the villages of Watford and Wyoming and portions of Plympton Twp.

SYSTEM: TILBURY NORTH WATER SUPPLY

Number of Plants: ONE
Number of Municipalities Served: THREE
Operated By: TILBURY PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
TILBURY N. TOWNSHIP (Stoney Point WTP.)	Coagulation Flocculation Sedimentation Chlorination Filtration (pressure)	0.864	Tilbury N. *Tilbury W. Police Village of Comber	Lake St. Clair

*Note: A Ministry owned pipeline connected to the Treatment Plant feeds most of Tilbury North Township, the Police Village of Comber and portions of Tilbury West Township adjacent to and north of the Police Village.

SYSTEM: UNION-ESSEX WATER SUPPLY SYSTEM

Number of Plants: ONE
Number of Municipalities Served: NINE
Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
GOSFIELD SOUTH TWP. (Union Plant)	Coarse Screening Microstraining Coagulation Flocculation Sedimentation Filtration Carbon Adsorption Chlorination	16.0	Gosfield South Twp. Essex Town Gosfield North Twp. Kingsville Town Mersea Twp. Rochester Twp. Maidstone Twp. Leamington Town *(HJ Heinz Co. Ltd.) Sandwich South Twp.	Lake Erie

*Note: H.J. Heinz Co. Ltd. is a major user of the system. Interconnections have been made for emergency use to the Belle River and Harrow-Colchester S. area water systems.

SYSTEM: WEST LORNE WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: THREE

Operated By: WEST LORNE PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
WEST LORNE VILLAGE	Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	0.547	West Lorne Village Dutton Village Rodney Village	Lake Erie

SYSTEM: WINDSOR WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: FIVE

Operated By: WINDSOR PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
WINDSOR CITY (Windsor Main Plant)	Coagulation Flocculation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	60.0	Windsor City Sandwich South Sandwich West St. Clair Beach Tecumseh Town	Detroit River

West Central Region

Ministry of the Environment

Ontario

REGIONAL OFFICE

STONEY CREEK
140 Centennial Pkwy. N.
416-561-7410

DISTRICT OFFICES

Welland
637-641 Niagara St. N.
416-735-0431

Cambridge
400 Clyde Road
P.O. Box 219
519-623-2080

SUB-OFFICE

Simcoe
645 Norfolk St. N.
519-426-1940

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WEST CENTRAL REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
GROUND SOURCE	27	72.528
GROUND SOURCE PHYSCL TRTMT	4	9.507
GROUND SOURCE CHEM TRTMT	4	22.054
GROUND SOURCE PHYS & CHEM TRTMT	1	.209
SURFC SOURCE	1	.202
SURFC SOURCE PHYSCL TREATMT	6	38.130
SURFC SOURCE PHYS & CHEM TRTMT	16	276.670
TOTAL MINISTRY OPERATED WORKS	3	23.716
TOTAL MUNICIPALLY OPERATED WORKS	56	395.584
TOTAL TREATMENT WORKS	59	419.300

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

OF THE 59 WATER TREATMENT WORKS IN THE WESTCENTRAL REGION 1 IS AN AREA WATER SUPPLY PLANT. IT CONSTITUTES 35% OF THE TOTAL REGIONAL CAPACITY AND PROVIDES WATER TO 3 MAJOR WATER DISTRIBUTION SYSTEMS.

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ANCASTER TOWN MUNICIPAL PLANT	GROUND SOURCE NO TREATMENT	2.074		MUNICIPALITY
ANCASTER TOWN ANCASTER SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(HAMILTON WATER SUPPLY)	MUNICIPALITY
ARTHUR VILLAGE ARTHUR SUPPLY	GROUND SOURCE	.367		MUNICIPALITY
BRANTFORD TOWNSHIP AIRPORT PLANT	GROUND SOURCE CHLORINATION	.504		MUNICIPALITY
BRANTFORD CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	18.000	GRAND RIVER	MUNICIPALITY
BRANTFORD TOWNSHIP TUTELA HEIGHTS	GROUND SOURCE CHLORINATION	.288		MUNICIPALITY
CAMBRIDGE CITY CAMBRIDGE SUPPLY (GALT-HESPLER-PRESTON)	GROUND SOURCE CHLORINATION	16.800		MUNICIPALITY
CLIFFORD VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.288		MUNICIPALITY
DELHI TOWNSHIP DELHI - SPRING SUPPLY	GROUND SOURCE CHLORINATION	.185		MUNICIPALITY
DELHI TOWNSHIP DELHI-FILTRATION PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.500	NORTH CREEK	MUNICIPALITY
DELHI TOWNSHIP ST WILLIAMS POLICE VILLAGE SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.058		MUNICIPALITY
DELHI TOWNSHIP TURKEY POINT -BOWEN WATER SUPPLY	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.300	LAKE ERIE	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DUNDAS TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(HAMILTON WATER SUPPLY)	MUNICIPALITY
DUNNVILLE TOWN FORMER DUNN TWP PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	20,500	LAKE ERIE	MINISTRY
DUNNVILLE TOWN DUNVILLE W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION (WATER IS SUPPLIED BY)	3,500	(FORMER DUNN TWP PLANT)	MUNICIPALITY
ELORA VILLAGE ELORA SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.324		MUNICIPALITY
ERIN VILLAGE ERIN SUPPLY	GROUND SOURCE CHLORINATION	.612		MUNICIPALITY
FERGUS TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.250		MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN SUPPLY	GROUND SOURCE AREA SCHEME SOURCE	.092	(BURLINGTON W S S)	MUNICIPALITY
FORT ERIE TOWN FORMER VILLAGE OF CRYSTAL BEACH PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1,500	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN FORMER TOWNSHIP OF BERTIE PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	9,000	LAKE ERIE	MUNICIPALITY
GRIMSBY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4,600	LAKE ONTARIO	MUNICIPALITY
GUELPH CITY GUELPH MUNICIPAL SUPPLY (ARKEL AREA)	GROUND SOURCE CHEM TRTMT CHLORINATION	19,900	RECHARGE FROM ERAMOSA R.	MUNICIPALITY
HALDIMAND TOWN HAGERSVILLE PLANT	GROUND SOURCE CHLORINATION	.720		MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
HALDIMAND TOWN CAYUGA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.240	GRAND RIVER	MUNICIPALITY
HALDIMAND TOWN CALEDONIA PLANT	GROUND SOURCE CHLORINATION	.684		MUNICIPALITY
HAMILTON CITY WOODWARD AVENUE W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	150.000	LAKE ONTARIO	MUNICIPALITY
HARRISTON TOWN MUNICIPAL SUPPLY	GROUND SOURCE	.864		MUNICIPALITY
KITCHENER CITY KITCHENER WELL FIELDS	GROUND SOURCE	22.000		MUNICIPALITY
KITCHENER CITY BRIDGEPORT SUPPLY	(WATER IS SUPPLIED BY)		(KITCHENER WATER SUPPLY)	MUNICIPALITY
LINCOLN TOWN FORMER HAMLET OF VINELAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.630	LAKE ONTARIO	MUNICIPALITY
LINCOLN TOWN FORMER TOWN OF BEAMSVILLE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.900	LAKE ONTARIO	MUNICIPALITY
MOUNT FOREST TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.516		MUNICIPALITY
NANTICOKE CITY HALDIMAND - NORFOLK WTP (STELCO-TEXACO)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	5.000	LAKE ERIE	MINISTRY
NANTICOKE CITY JARVIS PLANT	SURFC SOURCE CHLORINATION	.202	LAKE ERIE	MUNICIPALITY
NANTICOKE CITY PORT DOVER-SPRING SUPPLY	GROUND SOURCE CHLORINATION (WATER IS SUPPLIED BY)	2.300	(PORT DOVER PLANT)	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
NANTICOKE CITY PORT DOVER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2,300	LAKE ERIE	MUNICIPALITY
NANTICOKE CITY WATERFORD SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.795		MUNICIPALITY
NIAGARA FALLS CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	32,000	NIAGARA RIVER	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S SUPPLY	GROUND SOURCE CHLORINATION	1,397		MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN FORMER TOWN OF NIAGARA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.830	NIAGARA RIVER	MUNICIPALITY
NORFOLK TOWNSHIP COURTLAND SUPPLY	GROUND SOURCE CHLORINATION	.216		MINISTRY
NORFOLK TOWNSHIP PORT ROWAN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.500	LAKE ERIE	MUNICIPALITY
ORANGEVILLE TOWN ORANGEVILLE SUPPLY	GROUND SOURCE	4,770		MUNICIPALITY
PALMERSTON TOWN MUNICIPAL SUPPLY	GROUND SOURCE	.580		MUNICIPALITY
PARIS TOWN PARIS SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	2,304		MUNICIPALITY
PELHAM TOWN FORMER VILLAGE OF FONTHILL PLANT	GROUND SOURCE CHLORINATION	1,000		MUNICIPALITY
PORT COLBORNE CITY MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	6,000	WELLAND SHIP CANAL	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
SHELBURNE VILLAGE SHELBURNE SUPPLY	GROUND SOURCE CHLORINATION	1.286		MUNICIPALITY
SIMCOE TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	3.350		MUNICIPALITY
SOUTH DUMFRIES TOWNSHIP ST GEORGE P.V. PLANT	GROUND SOURCE	1.800		MUNICIPALITY
ST CATHARINES CITY DE CEW (MAIN PLANT)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	42.000	WELLAND SHIP CANAL	MUNICIPALITY
STONEY CREEK TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(HAMILTON WATER SUPPLY)	MUNICIPALITY
THOROLD CITY FORMER TOWN OF THOROLD PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.000	WELLAND SHIP CANAL	MUNICIPALITY
THOROLD CITY FORMER HAMLET OF PORT ROBINSON PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.154	WELLAND SHIP CANAL	MUNICIPALITY
WATERLOO CITY MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	8.500		MUNICIPALITY
WELLAND CITY PLANT TWO	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.500	WELLAND SHIP CANAL	MUNICIPALITY
WELLAND CITY PLANT ONE	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	9.000	WELLAND SHIP CANAL	MUNICIPALITY
WELLESLEY TOWNSHIP LINWOOD POLICE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.031		MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.580		MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WILMOT TOWNSHIP NEW HAMBURG - BADEN SUPPLY	GROUND SOURCE CHLORINATION	1,800		MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA SUPPLY	GROUND SOURCE	4,700		MUNICIPALITY
WOOLWICH TOWNSHIP ST JACOBS POLICE VILLAGE W T P	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	,209		MUNICIPALITY

WEST CENTRAL REGION

Regional Municipalities

Regional Municipalities

HALDIMAND-NORFOLK

HAMILTON-WENTWORTH

NIAGARA

WATERLOO

Total Capacity MIGD 364,647
(WATER TREATMENT)

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DELHI TOWNSHIP DELHI-FILTRATION PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.500	NORTH CREEK	MUNICIPALITY
DELHI TOWNSHIP DELHI - SPRING SUPPLY	GROUND SOURCE CHLORINATION	.185		MUNICIPALITY
DELHI TOWNSHIP ST WILLIAMS POLICE VILLAGE SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.058		MUNICIPALITY
DELHI TOWNSHIP TURKEY POINT -BOWEN WATER SUPPLY	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.300	LAKE ERIE	MUNICIPALITY
DUNNVILLE TOWN FORMER DUNN TWP PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	20.500	LAKE ERIE	MINISTRY
DUNNVILLE TOWN DUNVILLE W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION (WATER IS SUPPLIED BY)	3.500	(FORMER DUNN TWP PLANT)	MUNICIPALITY
HALDIMAND TOWN HAGERSVILLE PLANT	GROUND SOURCE CHLORINATION	.720		MUNICIPALITY
HALDIMAND TOWN CAYUGA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.240	GRAND RIVER	MUNICIPALITY
HALDIMAND TOWN CALEDONIA PLANT	GROUND SOURCE CHLORINATION	.684		MUNICIPALITY
NANTICOKE CITY HALDIMAND - NORFOLK WTP (STELCO-TEXACO)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	3.000	LAKE ERIE	MINISTRY
NANTICOKE CITY WATERFORD SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.795		MUNICIPALITY

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
NANTICOKE CITY PORT DOVER-SPRING SUPPLY	GROUND SOURCE CHLORINATION (WATER IS SUPPLIED BY)	2.300	(PORT DOVER PLANT)	MUNICIPALITY
NANTICOKE CITY JARVIS PLANT	SURFC SOURCE CHLORINATION	.202	LAKE ERIE	MUNICIPALITY
NANTICOKE CITY PORT DOVER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.300	LAKE ERIE	MUNICIPALITY
NORFOLK TOWNSHIP COURTLAND SUPPLY	GROUND SOURCE CHLORINATION	.216		MINISTRY
NORFOLK TOWNSHIP PORT ROWAN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.500	LAKE ERIE	MUNICIPALITY
SIMCOE TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	3.350		MUNICIPALITY
TOTAL CAPACITY		40.350		

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ANCASTER TOWN MUNICIPAL PLANT	GROUND SOURCE	2.074		MUNICIPALITY
ANCASTER TOWN ANCASTER SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(HAMILTON WATER SUPPLY)	MUNICIPALITY
DUNDAS TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(HAMILTON WATER SUPPLY)	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN SUPPLY	GROUND SOURCE AREA SCHEME SOURCE	.092	(BURLINGTON W S S)	MUNICIPALITY
HAMILTON CITY WOODWARD AVENUE W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	150.000	LAKE ONTARIO	MUNICIPALITY
STONEY CREEK TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(HAMILTON WATER SUPPLY)	MUNICIPALITY
TOTAL CAPACITY		152.166		

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
FORT ERIE TOWN FORMER VILLAGE OF CRYSTAL BEACH PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1.500	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN FORMER TOWNSHIP OF BERTIE PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	9.000	LAKE ERIE	MUNICIPALITY
GRIMSBY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.600	LAKE ONTARIO	MUNICIPALITY
LINCOLN TOWN FORMER HAMLET OF VINELAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.630	LAKE ONTARIO	MUNICIPALITY
LINCOLN TOWN FORMER TOWN OF BEAMSVILLE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.900	LAKE ONTARIO	MUNICIPALITY
NIAGARA FALLS CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	32.000	NIAGARA RIVER	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S SUPPLY	GROUND SOURCE CHLORINATION	1.397		MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN FORMER TOWN OF NIAGARA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.830	NIAGARA RIVER	MUNICIPALITY
PELHAM TOWN FORMER VILLAGE OF FONTHILL PLANT	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
PORT COLBORNE CITY MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	6.000	WELLAND SHIP CANAL	MUNICIPALITY
ST CATHARINES CITY DE CEW (MAIN PLANT)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	42.000	WELLAND SHIP CANAL	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
THOROLD CITY FORMER TOWN OF THOROLD PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.000	WELLAND SHIP CANAL	MUNICIPALITY
THOROLD CITY FORMER HAMLET OF PORT ROBINSON PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.154	WELLAND SHIP CANAL	MUNICIPALITY
WELLAND CITY PLANT TWO	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.500	WELLAND SHIP CANAL	MUNICIPALITY
WELLAND CITY PLANT ONE	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	9.000	WELLAND SHIP CANAL	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.580		MUNICIPALITY
TOTAL CAPACITY		118.091		

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAMBRIDGE CITY CAMBRIDGE SUPPLY (GALT-HESPLER-PRESTON)	GROUND SOURCE CHLORINATION	16,800		MUNICIPALITY
KITCHENER CITY KITCHENER WELL FIELDS	GROUND SOURCE	22,000		MUNICIPALITY
KITCHENER CITY BRIDGEPORT SUPPLY	(WATER IS SUPPLIED BY)		(KITCHENER WATER SUPPLY)	MUNICIPALITY
WATERLOO CITY MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	8,500		MUNICIPALITY
WELLESLEY TOWNSHIP LINWOOD POLICE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.031		MUNICIPALITY
WILMOT TOWNSHIP NEW HAMBURG - BADEN SUPPLY	GROUND SOURCE CHLORINATION	1,800		MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA SUPPLY	GROUND SOURCE	4,700		MUNICIPALITY
WOOLWICH TOWNSHIP ST JACOBS POLICE VILLAGE W T P	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.209		MUNICIPALITY
TOTAL CAPACITY		54,040		

WEST CENTRAL REGION

Area Water Supply Systems

Total Area Water Supply Systems	Total Capacity (MIGD)
1	150.000

AREA WATER SUPPLY SYSTEMS

SYSTEM: HAMILTON WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: FOUR

Operated By: REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
HAMILTON CITY (Woodward Ave. Plant)	Screening Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	150.0	Ancaster Town Dundas Town Hamilton City Stoney Creek Town	Lake Ontario

Central Region

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Ministry of the Environment

Ontario

REGIONAL OFFICE

DON MILLS
150 Ferrand Dr.
416-424-3000

DISTRICT OFFICES

Barrie
12 Fairview Rd.
705-726-1730

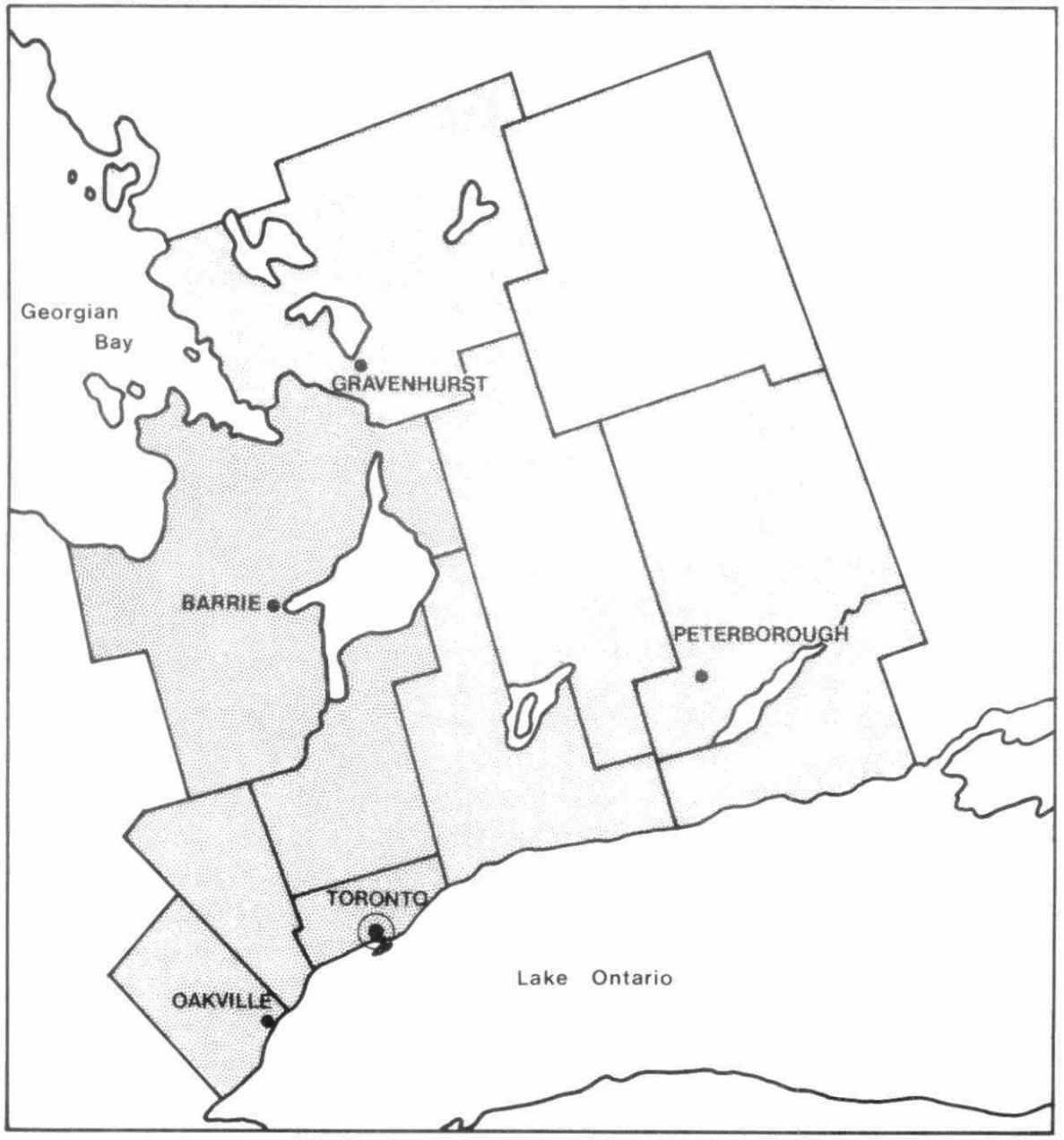
Muskoka-Haliburton
Gravenhurst Shopping Centre
705-687-3408

Peterborough
139 George St. N.
705-743-2972

Halton-Peel
1226 White Oaks Blvd.
Oakville
416-844-5747

SUB-OFFICE

Huntsville
100 Main St. E.
705-789-2386



Central Region

3

Ministry of the Environment
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REGIONAL OFFICE

DON MILLS
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CENTRAL REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
GROUND SOURCE	29	26.331
GROUND SOURCE PHYSCL TRTMT	6	12.050
GROUND SOURCE CHEM TRTMT	18	30.242
GROUND SOURCE PHYS & CHEM TRTMT	2	3.866
SURFC SOURCE	8	16.744
SURFC SOURCE PHYSCL TREATMT	3	6.945
SURFC SOURCE PHYS & CHEM TRTMT	25	683.921
TOTAL MINISTRY OPERATED WORKS	14	129.709
TOTAL MUNICIPALLY OPERATED WORKS	77	650.390
TOTAL TREATMENT WORKS	91	780.099

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

OF THE 91 WATER TREATMENT WORKS IN THE CENTRAL REGION 6 ARE AREA WATER SUPPLY PLANTS. THESE CONSTITUTE 68% OF THE TOTAL REGIONAL CAPACITY AND PROVIDE WATER TO 10 MAJOR WATER DISTRIBUTION SYSTEMS.

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AJAX TOWN AJAX MUN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12.000	LAKE ONTARIO	MUNICIPALITY
ALLISTON TOWN ALLISTON SUPPLY	GROUND SOURCE	1.440		MUNICIPALITY
ANSON HINDON & MINDEN TOWNSHIP ANSON HINDON & MINDEN TWP SUPPLY	GROUND SOURCE CHLORINATION	.360		MINISTRY
AURORA TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	3.740		MUNICIPALITY
BARRIE CITY BARRIE W T P	GROUND SOURCE CHEM TRTMT CHLORINATION	13.800		MUNICIPALITY
BEETON VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.202		MUNICIPALITY
BICROFT IMPROVEMENT DISTRICT CARDIFF TOWNSITE PLANT	GROUND SOURCE	.144		MUNICIPALITY
BOBCAYGEON VILLAGE BOBCAYGEON WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.120	BOBCAYGEON RIVER	MINISTRY
BRACEBRIDGE TOWN MUNICIPAL SUPPLY	SURFC SOURCE GROUND SOURCE CHLORINATION	1.850	LAKE MUSKOKA	MUNICIPALITY
BRADFORD TOWN BRADFORD WELL SUPPLY	GROUND SOURCE CHLORINATION	1.500		MUNICIPALITY
BRAMPTON CITY BRAMPTON SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
BRECHEN POLICE VILLAGE BRECHEN SUPPLY	(WATER IS SUPPLIED BY)		(LAGOON CITY W T P)	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BRIGHTON VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.100		MUNICIPALITY
BROCK TOWNSHIP CANNINGTON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.300		MUNICIPALITY
BROCK TOWNSHIP SUNDERLAND PV SUPPLY	GROUND SOURCE	.468		MUNICIPALITY
BROCK TOWNSHIP BEAVERTON SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.740	LAKE SIMCOE	MUNICIPALITY
BURLINGTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	31.000	LAKE ONTARIO	MUNICIPALITY
CALEDON TOWN BOLTON WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	1.440		MUNICIPALITY
CALEDON TOWN FOOTHILL FARM WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.100		MUNICIPALITY
CALEDON TOWN MONO MILLS SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.230		MUNICIPALITY
CALEDON TOWN PALGRAVE WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.864		MUNICIPALITY
CALEDON TOWN CALEDON HAMLET WWKS (HAWTHORNE ACRES)	GROUND SOURCE CHEM TRTMT CHLORINATION	.144		MUNICIPALITY
CALEDON TOWN FARMERS LANE WWKS	GROUND SOURCE CHLORINATION	.036		MUNICIPALITY
CALEDON TOWN INGLEWOOD SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.054		MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CALEDON TOWN CALEDON EAST WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.400		MUNICIPALITY
CAMPBELLFORD TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.250	TRENT RIVER	MUNICIPALITY
COBOURG TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	8.000	LAKE ONTARIO	MUNICIPALITY
COLBORNE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
COLDWATER VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.125		MUNICIPALITY
COLLINGWOOD TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	10.500	GEORGIAN BAY	MUNICIPALITY
COOKSTOWN VILLAGE COOKSTOWN WWKS	GROUND SOURCE CHLORINATION	.218		MINISTRY
CREEMORE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.400		MUNICIPALITY
EAST YORK BOROUGH EAST YORK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP SHARON POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(HOLLAND LANDING)	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.504		MUNICIPALITY
ELMVALE VILLAGE ELMVALE WWKS	GROUND SOURCE	.510		MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ETOBICOKE BOROUGH ETOBICOKE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
FENELON FALLS VILLAGE FENELON FALLS WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.825	CAMERON LAKE	MINISTRY
GEORGINA TOWNSHIP SUTTON PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1,000	LAKE SIMCOE	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	SURFC SOURCE GROUND SOURCE CHEM TRTMT CHLORINATION	2,520	GULL LAKE	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	6,800		MUNICIPALITY
HALTON HILLS TOWN ACTON SUPPLY	GROUND SOURCE CHLORINATION	2,100		MUNICIPALITY
HASTINGS VILLAGE HASTINGS WWKS	SURFC SOURCE CHLORINATION	.540	TRENT RIVER	MINISTRY
HAVELOCK VILLAGE HAVELOCK WWKS	GROUND SOURCE CHLORINATION	.216		MINISTRY
HUNTSVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1,300	LAKE VERNON	MUNICIPALITY
KING TOWNSHIP NOBLETOWN SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.797		MUNICIPALITY
KING TOWNSHIP KING CITY SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.800		MUNICIPALITY
KING TOWNSHIP SCHOMBERG SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.216		MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
LAKEFIELD VILLAGE LAKEFIELD WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.504	OTONABEE RIVER	MUNICIPALITY
LINDSAY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	5,000	SCUGOG RIVER	MUNICIPALITY
MARA TOWNSHIP LAGOON CITY W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.250	LAKE SIMCOE	MINISTRY
MARKHAM TOWN UNIONVILLE SUPPLY	(WATER IS SUPPLIED BY) GROUND SOURCE CHEM TRTMT CHLORINATION		(METRO TORONTO W S S)	MUNICIPALITY
MARKHAM TOWN (NORTH OF JOHN ST, EAST OF BAYVIEW)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2,100		MUNICIPALITY
METRO TORONTO CITY SCARBOROUGH PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY ISLAND PLANT (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	60,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY WESTERLY PLANT(ETOBICOKE)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	100,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY R C HARRIS PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	220,000	LAKE ONTARIO	MUNICIPALITY
MIDLAND TOWN MIDLAND SUPPLY	GROUND SOURCE CHLORINATION	3,280		MUNICIPALITY
MILLBROOK VILLAGE MILLBROOK SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.605		MINISTRY
MILTON TOWN MUNICIPAL PLANT	GROUND SOURCE	4,000		MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MISSISSAUGA CITY SOUTH PEEL AREA W S S (LORNE PARK) (D-F)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	50,000	LAKE ONTARIO	MINISTRY
MISSISSAUGA CITY SOUTH PEEL AREA W S S (LAKEVIEW)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	75,000	LAKE ONTARIO	MINISTRY
MUSKOKA LAKES TOWNSHIP BALA SUPPLY	SURFC SOURCE CHLORINATION	.446	LAKE MUSKOKA	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING SUPPLY	SURFC SOURCE CHLORINATION	.300	INDIAN RIVER	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	GROUND SOURCE CHLORINATION	.350		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT 2 (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2,000	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN ORONO WWKS	GROUND SOURCE	.252		MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE SUPPLY	GROUND SOURCE CHLORINATION	.104		MUNICIPALITY
NEWMARKET TOWN NEWMARKET/GWILLIMBURY HTS SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	3,650		MUNICIPALITY
NORTH YORK CITY NORTH YORK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
NORWOOD VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.288		MUNICIPALITY
OAKVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	18,000	LAKE ONTARIO	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ORILLIA CITY ORILLIA PLANT	SURFC SOURCE PHYSCL TREATMENT GROUND SOURCE CHLORINATION	6,000	LAKE COUCHICHING	MUNICIPALITY
OSHAWA CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30,000	LAKE ONTARIO	MUNICIPALITY
PENETANGUISHENE TOWN MUNICIPAL SUPPLY	GROUND SOURCE	1,600		MUNICIPALITY
PERCY TOWNSHIP WARKWORTH POLICE VILLAGE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.100	MILL CREEK	MINISTRY
PETERBOROUGH CITY MUNICIPAL SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	21,000	OTONABEE RIVER	MUNICIPALITY
PICKERING TOWN PICKERING PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	5,500	LAKE ONTARIO	MUNICIPALITY
PORT HOPE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4,420	LAKE ONTARIO	MUNICIPALITY
PORT MCNICOLL VILLAGE PORT MCNICOLL SUPPLY	SURFC SOURCE CHLORINATION	.288	GEORGIAN BAY	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WWKS	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2,250		MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.540		MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY SUPPLY	GROUND SOURCE	2,010		MUNICIPALITY
SMITH TOWNSHIP WOODLAND ACRES ETC, SUBDV'N SUPPLY	(WATER IS SUPPLIED BY)		(PETERBOROUGH W S S)	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
STAYNER TOWN STAYNER WELL SUPPLY	GROUND SOURCE CHLORINATION	.830		MUNICIPALITY
TAY TOWNSHIP SUNNYSIDE SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.330		MUNICIPALITY
TAY TOWNSHIP WAUBASHENE SUPPLY	SURFC SOURCE CHLORINATION	.300	GEORGIAN BAY	MUNICIPALITY
TOTTENHAM VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	1.660		MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.828		MUNICIPALITY
VAUGHAN TOWN CARRVILLE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.426		MUNICIPALITY
VAUGHAN TOWN WOODBRIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.030		MUNICIPALITY
VAUGHAN TOWN KLEINBURG SUPPLY	GROUND SOURCE CHLORINATION	.216		MUNICIPALITY
VAUGHAN TOWN MAPLE SUPPLY	GROUND SOURCE CHLORINATION	.490		MUNICIPALITY
VAUGHAN TOWN CONCORD INDUSTRIAL AREA SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.180		MUNICIPALITY
VAUGHAN TOWN VAUGHAN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
VICTORIA HARBOUR VILLAGE VICTORIA HARBOUR W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.857	GEORGIAN BAY	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WHITBY TOWN BROOKLIN SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.158		MUNICIPALITY
WHITBY TOWN WHITBY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.000	LAKE ONTARIO	MUNICIPALITY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE SUPPLY	GROUND SOURCE CHLORINATION	1.190		MUNICIPALITY
WOODVILLE VILLAGE WOODVILLE WELL	GROUND SOURCE CHLORINATION	.108		MINISTRY
YORK BOROUGH YORK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY

CENTRAL REGION

Regional Municipalities

Regional Municipalities

DURHAM HALTON

PEEL YORK

METRO TORONTO

DISTRICT MUNICIPALITY OF MUSKOKA

Total Capacity MIGD 690,429
(WATER TREATMENT)

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AJAX TOWN AJAX MUN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12,000	LAKE ONTARIO	MUNICIPALITY
BROCK TOWNSHIP SUNDERLAND PV SUPPLY	GROUND SOURCE	.468		MUNICIPALITY
BROCK TOWNSHIP BEAVERTON SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.740	LAKE SIMCOE	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.300		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	GROUND SOURCE CHLORINATION	.350		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT 2 (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2,000	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN ORONO WKS	GROUND SOURCE	.252		MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE SUPPLY	GROUND SOURCE CHLORINATION	.104		MUNICIPALITY
OSHAWA CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30,000	LAKE ONTARIO	MUNICIPALITY
PICKERING TOWN PICKERING PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	5,500	LAKE ONTARIO	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY SUPPLY	GROUND SOURCE	2,016		MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
UXBRIDGE TOWNSHIP UXBRIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.828		MUNICIPALITY
WHITBY TOWN WHITBY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.000	LAKE ONTARIO	MUNICIPALITY
WHITBY TOWN BROOKLIN SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.158		MUNICIPALITY
TOTAL CAPACITY		60.716		

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BURLINGTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	31.000	LAKE ONTARIO	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	6.800		MUNICIPALITY
HALTON HILLS TOWN ACTON SUPPLY	GROUND SOURCE CHLORINATION	2.100		MUNICIPALITY
MILTON TOWN MUNICIPAL PLANT	GROUND SOURCE	4.000		MUNICIPALITY
OAKVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	18.000	LAKE ONTARIO	MUNICIPALITY
TOTAL CAPACITY		61.900		

METROPOLITAN TORONTO

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
EAST YORK BOROUGH EAST YORK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
ETOBICOKE BOROUGH ETOBICOKE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
METRO TORONTO CITY R C HARRIS PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	220,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY SCARBOROUGH PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY ISLAND PLANT (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	60,000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY WESTERLY PLANT(ETOBICOKE)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	100,000	LAKE ONTARIO	MUNICIPALITY
NORTH YORK CITY NORTH YORK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
YORK BOROUGH YORK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
TOTAL CAPACITY		410,000		

DISTRICT MUNICIPALITY OF MUSKOKA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BRACEBRIDGE TOWN MUNICIPAL SUPPLY	SURFC SOURCE GROUND SOURCE CHLORINATION	1,650	LAKE MUSKOKA	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	SURFC SOURCE GROUND SOURCE CHEM TRTMT CHLORINATION	2,520	GULL LAKE	MUNICIPALITY
HUNTSVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1,300	LAKE VERNON	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP BALA SUPPLY	SURFC SOURCE CHLORINATION	,446	LAKE MUSKOKA	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING SUPPLY	SURFC SOURCE CHLORINATION	,300	INDIAN RIVER	MUNICIPALITY
TOTAL CAPACITY		6,416		

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BRAMPTON CITY BRAMPTON SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
CALEDON TOWN INGLEWOOD SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.054		MUNICIPALITY
CALEDON TOWN CALEDON EAST WKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.400		MUNICIPALITY
CALEDON TOWN BOLTON WKS	GROUND SOURCE CHEM TRTMT CHLORINATION	1.440		MUNICIPALITY
CALEDON TOWN FARMERS LANE WKS	GROUND SOURCE CHLORINATION	.036		MUNICIPALITY
CALEDON TOWN MONO MILLS SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.230		MUNICIPALITY
CALEDON TOWN FOOTHILL FARM WKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.100		MUNICIPALITY
CALEDON TOWN CALEDON HAMLET WKS (HAWTHORNE ACRES)	GROUND SOURCE CHEM TRTMT CHLORINATION	.144		MUNICIPALITY
CALEDON TOWN PALGRAVE WKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.864		MUNICIPALITY
MISSISSAUGA CITY SOUTH PEEL AREA W S S (LORNE PARK) (D-F)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	50.000	LAKE ONTARIO	MINISTRY
MISSISSAUGA CITY SOUTH PEEL AREA W S S (LAKEVIEW)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	75.000	LAKE ONTARIO	MINISTRY
TOTAL CAPACITY		128.268		

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AURORA TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	3.740		MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.504		MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP SHARON POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(HOLLAND LANDING)	MUNICIPALITY
GEORGINA TOWNSHIP SUTTON PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1.000	LAKE SIMCOE	MUNICIPALITY
KING TOWNSHIP NOBLETOWN SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.797		MUNICIPALITY
KING TOWNSHIP SCHOMBERG SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.216		MUNICIPALITY
KING TOWNSHIP KING CITY SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.800		MUNICIPALITY
MARKHAM TOWN (NORTH OF JOHN ST, EAST OF BAYVIEW)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2.100		MUNICIPALITY
MARKHAM TOWN UNIONVILLE SUPPLY	(WATER IS SUPPLIED BY) GROUND SOURCE CHEM TRTMT CHLORINATION		(METRO TORONTO W S S)	MUNICIPALITY
NEWMARKET TOWN NEWMARKET/GWILLIMBURY HTS SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	3.650		MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WWKS	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2.250		MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.540		MUNICIPALITY
VAUGHAN TOWN CARRVILLE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.426		MUNICIPALITY
VAUGHAN TOWN WOODBRIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.030		MUNICIPALITY
VAUGHAN TOWN MAPLE SUPPLY	GROUND SOURCE CHLORINATION	.490		MUNICIPALITY
VAUGHAN TOWN VAUGHAN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(METRO TORONTO W S S)	MUNICIPALITY
VAUGHAN TOWN CONCORD INDUSTRIAL AREA SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.180		MUNICIPALITY
VAUGHAN TOWN KLEINBURG SUPPLY	GROUND SOURCE CHLORINATION	.216		MUNICIPALITY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE SUPPLY	GROUND SOURCE CHLORINATION	1.190		MUNICIPALITY
TOTAL CAPACITY		23.129		

CENTRAL REGION

Area Water Supply Systems

Total Area Water Supply Systems	Total Capacity (MIGD)
2	535.000

AREA WATER SUPPLY SYSTEMS

SYSTEM: METROPOLITAN TORONTO WATER SUPPLY SYSTEM

Number of Plants: FOUR Number of Municipalities Served: EIGHT

Operated By: METRO TORONTO DEPARTMENT OF WORKS

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
ETOBICOKE BOROUGH (Westerly Plant)	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	100.0	Borough of East York Etobicoke Borough Markham Town North York City Scarborough Borough Vaughan Town	Lake Ontario
SCARBOROUGH BOROUGH (Scarborough Plant)	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	30.0	Borough of East York Etobicoke Borough Markham Town North York City Scarborough Borough Toronto City Vaughan Town York Borough	Lake Ontario
TORONTO CITY (Island Plant)	Coagulation Sedimentation Filtration Taste & odour Control Chlorination	60.0	Borough of East York Etobicoke Borough North York City Scarborough Borough Toronto City Vaughan Town York Borough	Lake Ontario
TORONTO CITY (R.C. Harris Plant)	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	220.0	Borough of East York Etobicoke Borough North York City Scarborough Borough Toronto City Vaughan Town York Borough	

AREA WATER SUPPLY SYSTEMS

SYSTEM: SOUTH PEEL WATER SUPPLY SYSTEM

Number of Plants: TWO Number of Municipalities Served: TWO

Operated By: MINISTRY OF ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
MISSISSAUGA (Lakeview Plant)	Screening Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	75.0	Brampton Mississauga	Lake Ontario
MISSISSAUGA (Lorne Park Plant)	Screening Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	50.0	Brampton Mississauga	Lake Ontairo

Southeastern Region

④ Ontario

Ministry of the Environment

REGIONAL OFFICE

KINGSTON
133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville
15 Victoria Ave.
613-962-9208

Cornwall
4 Montreal Rd.
613-933-7402

Ottawa
2378 Holly Lane
613-521-3450

Pembroke
1000 MacKay St.
P.O. Box 67
613-732-3643

Southeastern Region

Ministry of the Environment
Ontario

REGIONAL OFFICE
KINGSTON
133 Dalton St.
613-549-4000

DISTRICT OFFICES
Belleville
15 Victoria Ave.
613-962-9208
Cornwall
4 Montreal Rd.
613-933-7402
Ottawa
2378 Holly Lane
613-521-3450
Pembroke
1000 MacKay St.
P.O. Box 67
613-732-3643

SOUTHEASTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD) *
GROUND SOURCE	32	11.750
GROUND SOURCE PHYSCL TRTMT	2	.138
GROUND SOURCE CHEM TRTMT	2	.590
SURFC SOURCE	15	27.161
SURFC SOURCE PHYSCL TREATMT	4	10.730
SURFC SOURCE PHYS & CHEM TRTMT	26	183.970
TOTAL MINISTRY OPERATED WORKS	21	17.340
TOTAL MUNICIPALLY OPERATED WORKS	60	216.999
TOTAL TREATMENT WORKS	81	234.339

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

OF THE 81 WATER TREATMENT WORKS IN THE SOUTHEASTERN REGION 2 ARE AREA WATER SUPPLY PLANTS. THESE CONSTITUTE 35% OF THE TOTAL REGIONAL CAPACITY AND PROVIDE WATER TO 7 MAJOR WATER DISTRIBUTION SYSTEMS.

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ALEXANDRIA TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1,140	ALEXANDER LAKE	MUNICIPALITY
ALFRED TOWNSHIP LEFAIVRE HAMLET SUPPLY	SURFC SOURCE CHLORINATION	,086	OTTAWA RIVER	MUNICIPALITY
ALFRED VILLAGE ALFRED WELL SUPPLY	GROUND SOURCE CHLORINATION	,093	.	MUNICIPALITY
ALMONTE TOWN MUNICIPAL PLANT	GROUND SOURCE	1,180		MUNICIPALITY
AMELIASBURG TOWNSHIP FENWOOD GARDENS (SUBDV'N) WELL SUPPLY	GROUND SOURCE CHLORINATION	,070		MUNICIPALITY
ARNPRIOR TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3,400	MADAWASKA RIVER	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WWKS	SURFC SOURCE CHLORINATION	1,000	CLARKE LAKE	MUNICIPALITY
BARRY'S BAY VILLAGE BARRY'S BAY WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	,550	KAMANISKEG LAKE	MINISTRY
BATH VILLAGE MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	,840	LAKE ONTARIO	MUNICIPALITY
BEACHBURG VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	,090		MUNICIPALITY
BELLEVILLE CITY BELLEVILLE WATER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12,000	BAY OF QUINTE	MUNICIPALITY
BROCKVILLE CITY MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION FLUORIDATION	9,000	ST LAWRENCE RIVER	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CARDINAL VILLAGE CANADA STARCH PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.300	ST. LAWRENCE RIVER	MUNICIPALITY
CARLETON PLACE TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	5.000	MISSISSIPPI RIVER	MUNICIPALITY
CASSELMAN VILLAGE CASSLEMAN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.700	S. NATION RIVER	MINISTRY
CHALK RIVER VILLAGE CHALK RIVER WWKS	SURFC SOURCE CHLORINATION	.430	CORRY LAKE	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE W T P	GROUND SOURCE CHEM TRTMT CHLORINATION	.300		MINISTRY
CLARENCE TOWNSHIP ST PASCHAL BAYLON SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.048		MUNICIPALITY
CLARENCE TOWNSHIP HAMMOND SUPPLY	GROUND SOURCE CHLORINATION	.184		MUNICIPALITY
CLARENCE TOWNSHIP CLARENCE CREEK SUPPLY	GROUND SOURCE CHLORINATION	.080		MUNICIPALITY
CLARENCE TOWNSHIP CHENEY SUPPLY	GROUND SOURCE CHLORINATION	.036		MUNICIPALITY
CLARENCE TOWNSHIP BOURGET POLICE VILLAGE SUPPLY	GROUND SOURCE CHLORINATION	.172		MUNICIPALITY
COBDEN VILLAGE COBDEN W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.300	MUSKRAT LAKE	MINISTRY
CORNWALL TOWNSHIP LONG SAULT HAMLET PLANT	SURFC SOURCE CHLORINATION	.500	LAKE ST LAWRENCE	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CORNWALL CITY CORNWALL W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	22,000	LAKE ST LAWRENCE	MUNICIPALITY
CUMBERLAND TOWNSHIP CUMBERLAND TWP SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
CUMBERLAND TOWNSHIP QUEENSWOOD SUBDIVISION PLANT	GROUND SOURCE CHLORINATION	.320		MUNICIPALITY
DEEP RIVER TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3,100	OTTAWA RIVER	MUNICIPALITY
DELORO VILLAGE DELORO WELL SUPPLY	GROUND SOURCE CHLORINATION	.030		MUNICIPALITY
DESERONTO TOWN DESERONTO W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.650	BAY OF QUINTE	MINISTRY
EGANVILLE VILLAGE EGANVILLE WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.180	BONNECHERE RIVER	MINISTRY
ERNESTOWN TOWNSHIP ODESSA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.450	MILLHAVEN CREEK	MINISTRY
ERNESTOWN TOWNSHIP AMHERSTVIEW PLANT	SURFC SOURCE CHLORINATION	2,400	LAKE ONTARIO	MUNICIPALITY
FRANKFORD VILLAGE FRANKFORD SUPPLY	GROUND SOURCE CHLORINATION	.540		MINISTRY
GANANOQUE SEPARATED TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	2,160	ST. LAWRENCE RIVER	MUNICIPALITY
GLOUCESTER TOWNSHIP ORLEANS POLICE VILLAGE SUPPLY	GROUND SOURCE CHLORINATION	.134		MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
GLOUCESTER TOWNSHIP GLOUCESTER TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
GOULBOURN TOWNSHIP GLENCAIRN PLANT	GROUND SOURCE CHLORINATION	.436		MUNICIPALITY
GOULBOURN TOWNSHIP GOULBOURN TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
HAWKESBURY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2,500	OTTAWA RIVER	MUNICIPALITY
IROQUOIS VILLAGE MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	1,600	ST LAWRENCE RIVER	MUNICIPALITY
KEMPTVILLE TOWN MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	1,020		MUNICIPALITY
KINGSTON TOWNSHIP POINT PLEASANT PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	6,000	LAKE ONTARIO	MINISTRY
KINGSTON TOWNSHIP QUEEN'S ACRES PLANT	SURFC SOURCE CHLORINATION	.500	COLLINS BAY (L. ONTARIO)	MUNICIPALITY
KINGSTON TOWNSHIP WEST BROOK WELL SUPPLY	GROUND SOURCE CHLORINATION	.056		MUNICIPALITY
KINGSTON CITY KINGSTON FILTRATION PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	21,000	LAKE ONTARIO	MUNICIPALITY
L'ORIGINAL VILLAGE L'ORIGINAL SUPPLY	GROUND SOURCE CHLORINATION	.150		MINISTRY
LANCASTER VILLAGE LANCASTER SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.290		MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
LEEDS & LANSDOWNE,FRONT TOWNSHIP LANSDOWNE SUPPLY	GROUND SOURCE CHLORINATION	.320		MINISTRY
MADOC VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.330		MUNICIPALITY
MARCH TOWNSHIP KANATA SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA M S S)	MUNICIPALITY
MARMORA VILLAGE MARMORA WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.350	CROWE RIVER	MUNICIPALITY
MERRICKVILLE VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.475		MINISTRY
MORRISBURG VILLAGE MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	2.300	ST LAWRENCE RIVER	MUNICIPALITY
NAPANEE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.800	NAPANEE RIVER	MUNICIPALITY
NEPEAN TOWNSHIP LYNWOOD VILLAGE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA M S S)	MUNICIPALITY
NEPEAN TOWNSHIP BARRHAVEN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA M S S)	MUNICIPALITY
NEPEAN TOWNSHIP LAKEVIEW SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA M S S)	MUNICIPALITY
NORTH PLANTAGENET TOWNSHIP WENDOVER POLICE VILLAGE PLANT	SURFC SOURCE CHLORINATION	.720	OTTAWA RIVER	MUNICIPALITY
OSNABRUCK TOWNSHIP INGLESIDE HAMLET PLANT	SURFC SOURCE CHLORINATION	1.800	ST LAWRENCE RIVER	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
OTTAWA CITY OTTAWA WATER SUPPLY SYSTEM (LEMIEUX IS.)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
OTTAWA CITY OTTAWA WATER SUPPLY SYSTEM (BRITANNIA)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
PEMBROKE CITY PEMBROKE W T P	SURFC SOURCE CHLORINATION	6.200	OTTAWA RIVER	MUNICIPALITY
PERTH TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2.000	TAY RIVER	MUNICIPALITY
PETAWAWA VILLAGE MUNICIPAL PLANT (DEPT NAT DEF)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	3.000	OTTAWA RIVER	MUNICIPALITY
PICTON TOWN PICTON W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2.400	PICTON BAY (L. ONTARIO)	MUNICIPALITY
PITTSBURGH TOWNSHIP PITTSBURG SUPPLY	(WATER IS SUPPLIED BY)		(KINGSTON CITY WSS)	MINISTRY
PITTSBURGH TOWNSHIP GLEN LAWRENCE WATER WORKS	SURFC SOURCE CHLORINATION	.015	ST LAWRENCE RIVER	MUNICIPALITY
PITTSBURGH TOWNSHIP CANA SUBDIVISION PLANT	GROUND SOURCE CHLORINATION	.015		MUNICIPALITY
PLANTAGENET VILLAGE PLANTAGENET SUPPLY	GROUND SOURCE CHLORINATION	.158		MINISTRY
PRESCOTT SEPARATED TOWN PRESCOTT WATER PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	2.450	ST LAWRENCE RIVER	MUNICIPALITY
RENFREW TOWN RENFREW PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.000	BONNECHERE RIVER	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
RIDEAU TOWNSHIP HILLSIDE GARDENS SUPPLY	GROUND SOURCE CHLORINATION	.117		MUNICIPALITY
ROCKCLIFFE PARK VILLAGE ROCKCLIFFE PARK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
ROCKLAND TOWN ROCKLAND WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.800	OTTAWA RIVER	MINISTRY
SIDNEY TOWNSHIP MONTROSE SUBDV'N (COUNTY CLUB VILLAGE)	GROUND SOURCE CHLORINATION	.300		MUNICIPALITY
SIDNEY TOWNSHIP BATAWA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1.200	TRENT RIVER	MUNICIPALITY
SIDNEY TOWNSHIP QUINTE HEIGHTS (SUBDV'N)	GROUND SOURCE CHLORINATION	.070		MUNICIPALITY
SMITH FALLS SEPARATED TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.000	RIDEAU RIVER	MUNICIPALITY
ST.ISIDORE DE PRESCOTT VILLAGE ST ISIDORE DE PRESCOTT SUPPLY	GROUND SOURCE CHLORINATION	.047		MUNICIPALITY
STIRLING VILLAGE STERLING WELL SUPPLY	GROUND SOURCE CHLORINATION	.580		MUNICIPALITY
THURLOW TOWNSHIP POINT ANNE HAMLET	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.040	BAY OF QUINTE	MUNICIPALITY
TRENTON TOWN SPRING SUPPLY	GROUND SOURCE CHLORINATION	3.300		MUNICIPALITY
TRENTON TOWN TRENTON W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.000	TRENT RIVER	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
TWEED VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.440		MUNICIPALITY
VANIER CITY VANIER SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
VANKLEEK HILL TOWN VANKLEEK HILL SUPPLY	GROUND SOURCE CHLORINATION	.300		MINISTRY
WELLINGTON VILLAGE WELLINGTON WWKS	GROUND SOURCE CHLORINATION	.160		MINISTRY
WEST CARLETON TOWNSHIP HUNTLEY-JULIA SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.050		MUNICIPALITY
WESTPORT VILLAGE WESTPORT WELL SUPPLY	GROUND SOURCE CHLORINATION	.187		MINISTRY
WINCHESTER VILLAGE WINCHESTER SUPPLY	GROUND SOURCE CHLORINATION	.400		MINISTRY

SOUTHEASTERN REGION

Regional Municipalities

Regional Municipalities

OTTAWA CARLETON

Total Capacity MIGD 85,057

(WATER TREATMENT)

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CUMBERLAND TOWNSHIP QUEENSWOOD SUBDIVISION PLANT	GROUND SOURCE CHLORINATION	.320		MUNICIPALITY
CUMBERLAND TOWNSHIP CUMBERLAND TWP SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
GLOUCESTER TOWNSHIP ORLEANS POLICE VILLAGE SUPPLY	GROUND SOURCE CHLORINATION	.134		MUNICIPALITY
GLOUCESTER TOWNSHIP GLOUCESTER TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
GOULBOURN TOWNSHIP GLENCAIRN PLANT	GROUND SOURCE CHLORINATION	.436		MUNICIPALITY
GOULBOURN TOWNSHIP GOULBOURN TWP. SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
MARCH TOWNSHIP KANATA SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
NEPEAN TOWNSHIP LYNWOOD VILLAGE SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
NEPEAN TOWNSHIP LAKEVIEW SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
NEPEAN TOWNSHIP BARRHAVEN SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
OTTAWA CITY OTTAWA WATER SUPPLY SYSTEM (BRITANNIA)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42,000	OTTAWA RIVER	MUNICIPALITY

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
OTTAWA CITY OTTAWA WATER SUPPLY SYSTEM (LEMIEUX IS.)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
RIDEAU TOWNSHIP HILLSIDE GARDENS SUPPLY	GROUND SOURCE CHLORINATION	.117		MUNICIPALITY
ROCKCLIFFE PARK VILLAGE ROCKCLIFFE PARK SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
VANIER CITY VANIER SUPPLY	(WATER IS SUPPLIED BY) FLUORIDATION		(OTTAWA W S S)	MUNICIPALITY
WEST CARLETON TOWNSHIP HUNTLEY-JULIA SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.050		MUNICIPALITY
TOTAL CAPACITY		85.057		

SOUTHEASTERN REGION

Area Water Supply Systems

Total Area Water Supply Systems	Total Capacity (MIGD)
1	84,000

AREA WATER SUPPLY SYSTEMS

SYSTEM: OTTAWA WATER SUPPLY SYSTEM

Number of Plants: TWO Number of Municipalities Served: EIGHT

Operated By: REGIONAL MUNICIPALITY OF OTTAWA CARLETON

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
OTTAWA CITY (Britannia Plant)	Screening Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	42.0	Cumberland Twp. Gloucester Twp. Goulbourn Twp. March Twp. Nepean Twp. Ottawa City Rockcliff Park Village Vanier City	Ottawa River
OTTAWA CITY (Lemieux Island Plant)	Screening Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	42.0	Cumberland Twp. Gloucester Twp. Goulbourn Twp. March Twp. Nepean Twp. Ottawa City Rockcliff Park Village Vanier City	Ottawa River

Northeastern Region

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Ontario

Ministry of the Environment

REGIONAL OFFICE

SUDBURY
469 Bouchard St.
705-522-8282

DISTRICT OFFICES

North Bay
1500 Fisher St.
705-476-1001

Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

Northeastern Region

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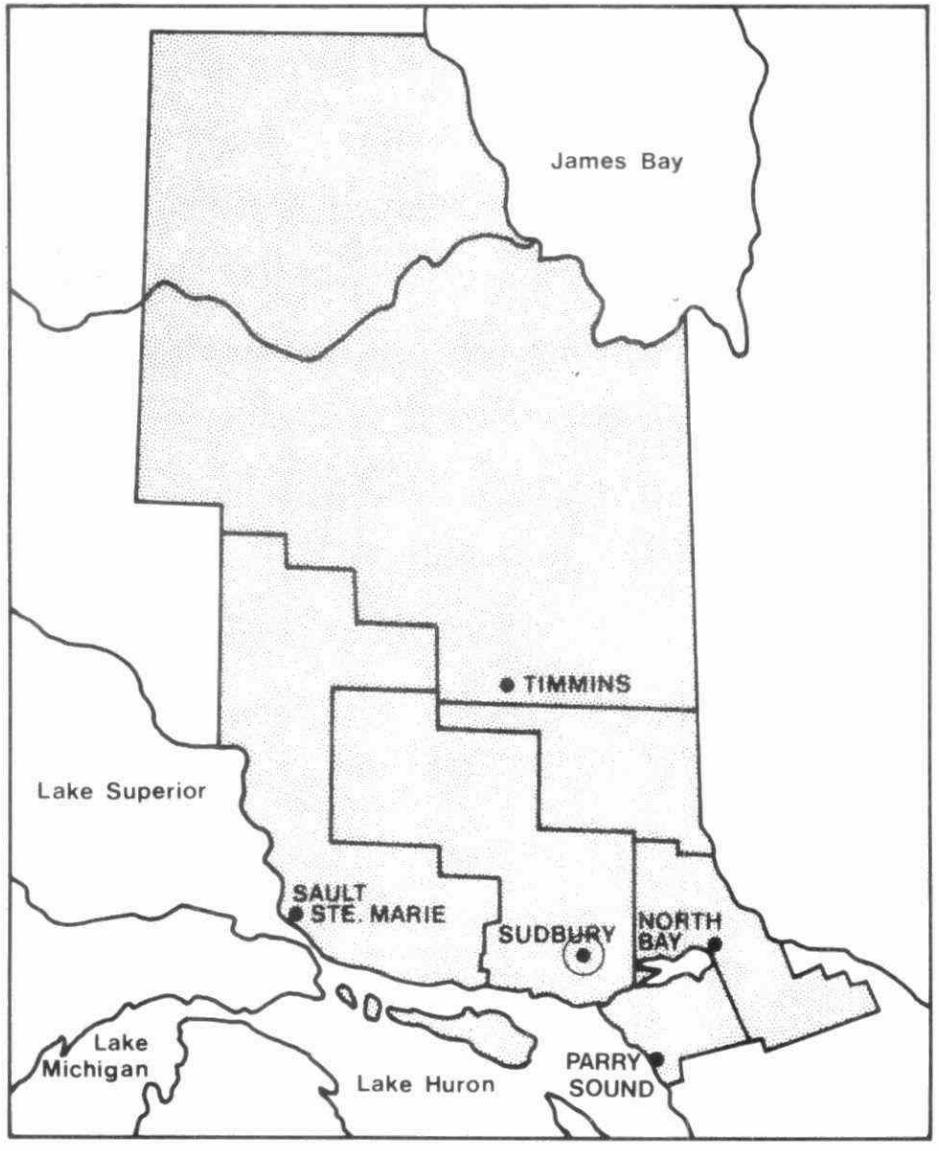
Ministry of the Environment
Ontario



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NORTHEASTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
GROUND SOURCE	21	13.130
GROUND SOURCE PHYSCL TRTMT	5	2.515
GROUND SOURCE CHEM TRTMT	3	6.110
GROUND SOURCE PHYS & CHEM TRTMT	1	1.350
SURFC SOURCE	31	79.206
SURFC SOURCE PHYSCL TREATMT	2	2.090
SURFC SOURCE CHEM TRTMT	1	2.160
SURFC SOURCE PHYS & CHEM TRTMT	16	42.604
TOTAL MINISTRY OPERATED WORKS	24	18.278
TOTAL MUNICIPALLY OPERATED WORKS	56	130.887
TOTAL TREATMENT WORKS	80	149.165

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

OF THE 80 WATER TREATMENT WORKS IN THE NORTHEASTERN REGION 1 IS AN AREA WATER SUPPLY PLANT. IT CONSTITUTES 2% OF THE TOTAL REGIONAL CAPACITY AND PROVIDES WATER TO 2 MAJOR WATER DISTRIBUTION SYSTEMS.

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ARMSTRONG TOWNSHIP EARLTON SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.070		MUNICIPALITY
ASSIGINACK TOWNSHIP MANITOWANING	SURFC SOURCE CHLORINATION	.085	MANITOWANING BAY	MINISTRY
BILLINGS TOWNSHIP KAGAWONG PLANT	SURFC SOURCE CHLORINATION	.015	KAGAWONG LAKE	MUNICIPALITY
BLACK RIVER - MATHESON TOWNSHIP MATHESON PLANT	SURFC SOURCE CHLORINATION	.280	WHITEFISH LAKE	MUNICIPALITY
BLACK RIVER - MATHESON TOWNSHIP HOLTYRE PLANT	GROUND SOURCE CHLORINATION	.120		MUNICIPALITY
BLACK RIVER-MATHESON TOWNSHIP RAMORE PLANT	GROUND SOURCE	.108		MINISTRY
BLIND RIVER TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	.785		MUNICIPALITY
BRUCE MINES TOWN BRUCE MINES SUPPLY	SURFC SOURCE CHLORINATION	.108	L.HURON ST.JOSEPH'S CHNL	MINISTRY
BURK'S FALLS VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.245		MUNICIPALITY
CACHE BAY TOWN CACHE BAY WWKS	SURFC SOURCE CHLORINATION	.220	TANNER LAKE	MINISTRY
CALDWELL TOWNSHIP VERNER POLICE VILLAGE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.233	VEUVE RIVER	MINISTRY
CAPREOL TOWN MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	.640		MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CHAPLEAU TOWNSHIP CHAPLEAU WATER WORKS	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.600	CHAPLEAU LAKE	MINISTRY
COBALT TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	3,200	LAKE SASAGINAGA	MUNICIPALITY
COCHRANE TOWN COCHRANE WATER SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	1,350		MUNICIPALITY
DUBREUILVILLE UNORGANISED TWP DUBREUILVILLE WATER WORKS	GROUND SOURCE	.010		MUNICIPALITY
DYMOND TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1,224		MUNICIPALITY
ELLIOT LAKE TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	6,740	ELLIOT LAKE	MUNICIPALITY
ENGLEHART TOWN MUNICIPAL SUPPLY	GROUND SOURCE	.720		MUNICIPALITY
ESPANOLA TOWN ESPANOLA WTP	SURFC SOURCE CHLORINATION FLUORIDATION	1,500	ASPEY LAKE	MINISTRY
FAUQUIER TOWNSHIP MOONBEAM WTP	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.070		MINISTRY
FOLEYET UNORGANISED TWP FOLEYET MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.144	IVANHOE RIVER	MUNICIPALITY
GORE BAY TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.294	LAKE HURON	MUNICIPALITY
HAILEYBURY TOWN HAILEYBURY WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1,500	LAKE TIMISKAMING	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
HEARST TOWN HEARST WTP EX TO 2.46 MG IN 79	SURFC SOURCE CHLORINATION	2.020	MATTAWISHKWIA RIVER	MUNICIPALITY
HILTON BEACH VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.010		MUNICIPALITY
IROQUOIS FALLS TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.900	ABITIBI RIVER	MUNICIPALITY
JACK AND NOBLE TOWNSHIP GOGAMA (CNR)	SURFC SOURCE CHLORINATION	.120	MINISINAKWA LAKE	MINISTRY
JACK AND NOBLE TOWNSHIP GOGAMA (ONT. GOV'T SERVICES)	SURFC SOURCE CHLORINATION	.072	MINISINAKWA LAKE	MINISTRY
KAPUSKASING TOWN MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	2.160		MUNICIPALITY
KIRKLAND LAKE TOWN KIRKLAND LAKE AND CHAPUT HUGHES PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	12.400	GULL LAKE	MUNICIPALITY
KIRKLAND LAKE TOWN SWASTIKA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION FLUORIDATION	.360	BLANCHE RIVER	MUNICIPALITY
LARDER LAKE TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE	.576		MUNICIPALITY
LATCHFORD TOWN LATCHFORD WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.144	MONTREAL R	MINISTRY
LITTLE CURRENT TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.597	LAKE HURON	MUNICIPALITY
MASSEY TOWN MASSEY W T P	SURFC SOURCE CHLORINATION	.350	AUX SABLE RIVER	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
MATACHEWAN IMPROVEMENT DISTRICT MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.040		MUNICIPALITY
MATTAWA TOWN MUNICIPAL PLANT	GROUND SOURCE	1.080		MUNICIPALITY
MCDOUGALL TOWNSHIP NOBEL HAMLET SUPPLY	GROUND SOURCE	.144		MUNICIPALITY
MCDOUGALL TOWNSHIP CIL PLANT	SURFC SOURCE CHLORINATION	3.300	GEORGIAN BAY	MUNICIPALITY
MCGARRY TOWNSHIP VIRGINIATOWN AND KEARNS MUNICIPL SUPPLY	SURFC SOURCE CHLORINATION	.864	LARDER LAKE	MUNICIPALITY
MICHIPICOTEN TWP TOWNSHIP MICHIPICOTEN TWP WWKT	SURFC SOURCE CHLORINATION	2.440	WAWA LAKE	MINISTRY
MISSANABIE UNORGANISED TWP MISSANABIE WATER WORKS (AUSTIN LUMBER)	SURFC SOURCE CHLORINATION	.010	DOG LAKE	MUNICIPALITY
MOOSONEE DEV'L AREA BD DEVELOPMENT AREA MOOSONEE W T P (OLD TOWNSITE)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.150	STORE CREEK	MINISTRY
MOOSONEE DEV'L AREA BD DEVELOPMENT AREA MOOSE FACTORY W T P (ENV CAN)(ISLAND)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.070	MOOSE RIVER	MINISTRY
MOOSONEE DEV'L AREA BD DEVELOPMENT AREA MOOSONEE NORTH W T P	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.144	BUTLER CREEK	MINISTRY
NEW LISKEARD TOWN NEW LISKEARD SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	1.620		MUNICIPALITY
NICKEL CENTRE TOWN GARSON SUPPLY	GROUND SOURCE	1.900		MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE SUPPLY	GROUND SOURCE CHLORINATION	5.280		MUNICIPALITY
NORTH SHORE UNORGANISED TWP SERPENT RIVER SUPPLY (LEWIS TWP)	SURFC SOURCE NO TREATMENT CHLORINATION	.100	SERPENT RIVER	MINISTRY
NORTH SHORE UNORGANISED TWP CLEMENTS SUPPLY	(WATER IS SUPPLIED BY)		(SPANISH HOLDINGS)	MUNICIPALITY
NORTH SHORE UNORGANISED TWP MITCHELL WATER PLANT (SHEDDEN TWP)	SURFC SOURCE CHLORINATION	.500	SHEDDEN LAKE	MUNICIPALITY
NORTH SHORE UNORGANISED TWP WEATHERLY WATER PLANT (SHEDDEN TWP)	GROUND SOURCE	.010		MUNICIPALITY
NORTH BAY CITY MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	22.000	TROUT LAKE	MUNICIPALITY
NORTH HIMSWORTH TOWNSHIP CALLANDER WELL	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.115		MINISTRY
ONAPING FALLS TOWN LEVACK SUPPLY (INCO)	SURFC SOURCE CHEM TREATMENT GROUND SOURCE CHEM TRTMT	2.160	ONAPING RIVER	MUNICIPALITY
ONAPING FALLS TOWN ONAPING SUPPLY (FALCONBRIDGE)	GROUND SOURCE CHLORINATION	1.150		MUNICIPALITY
PARRY SOUND TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	2.000	GEORGIAN BAY	MUNICIPALITY
PENTLAND (TWP) UNORGANISED TWP KIOSK HAMLET SUPPLY (O.D.P)	SURFC SOURCE CHLORINATION	.576	AMABLE DU FOND CREEK	MUNICIPALITY
PINARD TOWNSHIP FRASERDALE (ONT. HYDRO)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.072	ABITIBI RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
POITRAS TOWNSHIP THORNE HAMLET SUPPLY	SURFC SOURCE CHLORINATION	.576	MC DOUGALL CREEK	MUNICIPALITY
POWASSAN TOWN MUNICIPAL SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.288	GENESEE CREEK	MUNICIPALITY
RATTER & DUNNETT TOWNSHIP WARREN HAMLET SUPPLY	GROUND SOURCE	.144		MINISTRY
RAYSIDE BALFOUR TOWN RAYSIDE BALFOUR SUPPLY	(WATER IS SUPPLIED BY)		(BLEZARD VALLEY W S S)	MINISTRY
SAULT STE MARIE CITY MUNICIPAL PLANT	SURFC SOURCE GROUND SOURCE CHLORINATION	16,000	ST. MARY'S RIVER	MUNICIPALITY
SHACKLETON AND MACHIN TOWNSHIP FAUQUIER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.083	GROUNDHOG RIVER	MINISTRY
SHEDDEN UNORGANISED TWP SPANISH PLANT	GROUND SOURCE	.070		MUNICIPALITY
SMOOTH ROCK FALLS TOWN SMOOTH ROCK FALLS (ABITIBI WTP)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4,170	MATTAGAMI RIVER	MUNICIPALITY
SOUTH RIVER VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.240		MUNICIPALITY
STURGEON FALLS TOWN MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1,730	STURGEON RIVER	MUNICIPALITY
SUDBURY CITY WANAPITEI WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6,250	WANAPITEI RIVER	MINISTRY
SUDBURY CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12,000	RAMSEY LAKE	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
SUDBURY CITY COPPER CLIFF/INCO-VERMILION	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	10,000	VERMILION RIVER	MUNICIPALITY
TEMAGAMI TOWNSHIP OLD TOWNSITE PLANT	SURFC SOURCE CHLORINATION	.288	LAKE TEMAGAMI	MUNICIPALITY
TEMAGAMI TOWNSHIP NEW TOWNSITE PLANT	SURFC SOURCE CHLORINATION	.245	NET LAKE	MUNICIPALITY
THESSALON TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	1,730	LAKE HURON	MUNICIPALITY
TIMMINS CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	6,000	MATTAGAMI RIVER	MUNICIPALITY
TIMMINS CITY SCHUMACHER SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION		(TIMMINS MUNICIPAL PLANT)	MUNICIPALITY
TIMMINS CITY PORCUPINE AND POTTSVILLE PLANT	GROUND SOURCE CHLORINATION	.274		MUNICIPALITY
TIMMINS CITY MOUNTJOY SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(TIMMINS MUNICIPAL PLANT)	MUNICIPALITY
TIMMINS CITY SOUTH PORCUPINE PLANT	GROUND SOURCE CHLORINATION FLUORIDATION	1,000		MUNICIPALITY
VALLEY E/RAYSIDE-BALFOUR TOWN BLEZARD VALLEY WSS	GROUND SOURCE CHEM TRTMT CHLORINATION	3,300		MINISTRY
WALDEN TOWN CREIGHTON SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT)	MUNICIPALITY
WALDEN TOWN LIVELY SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT)	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WHITE RIVER IMPROVEMENT DISTRICT MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.432	LITTLE TUKANEE LAKE	MUNICIPALITY
WICKSTEED TOWNSHIP HORNEYPAYNE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION FLUORIDATION	.650		MINISTRY

NORTHEASTERN REGION

Regional Municipalities

Regional Municipalities Total Capacity MIGD 40,680

SUDBURY (WATER TREATMENT)

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAPREOL TOWN MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	.640		MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE SUPPLY	GROUND SOURCE CHLORINATION	3,280		MUNICIPALITY
NICKEL CENTRE TOWN GARSON SUPPLY	GROUND SOURCE	1,900		MUNICIPALITY
ONAPING FALLS TOWN LEVACK SUPPLY (INCO)	SURFC SOURCE CHEM TREATMENT GROUND SOURCE CHEM TRTMT	2,160	ONAPING RIVER	MUNICIPALITY
ONAPING FALLS TOWN ONAPING SUPPLY (FALCONBRIDGE)	GROUND SOURCE CHLORINATION	1,150		MUNICIPALITY
RAYSIDE BALFOUR TOWN RAYSIDE BALFOUR SUPPLY	(WATER IS SUPPLIED BY)		(BLEZARD VALLEY W S S)	MINISTRY
SUDBURY CITY WANAPITEI WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6,250	WANAPITEI RIVER	MINISTRY
SUDBURY CITY COPPER CLIFF/INCO-VERMILION	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	10,000	VERMILION RIVER	MUNICIPALITY
SUDBURY CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12,000	RAMSEY LAKE	MUNICIPALITY
VALLEY E/RAYSIDE-BALFOUR TOWN BLEZARD VALLEY WSS	GROUND SOURCE CHEM TRTMT CHLORINATION	3,300		MINISTRY
WALDEN TOWN CREIGHTON SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT	MUNICIPALITY
WALDEN TOWN LIVELY SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT	MUNICIPALITY
TOTAL CAPACITY		40,680		

NORTHEASTERN REGION

Area Water Supply Systems

Total Area Water Supply Systems	Total Capacity (MIGD)
1	3,300

AREA WATER SUPPLY SYSTEMS

SYSTEM: BLEZARD VALLEY WATER SUPPLY SYSTEM

Number of Plants: ONE (SIX WELLS) Number of Municipalities Served: TWO

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
VALLEY EAST TOWN	Screening Chlorination	3.3	Valley East Town Rayside-Balfour Town	Ground six wells

Northwestern Region
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Ontario

Ministry
of the
Environment

REGIONAL OFFICE
THUNDER BAY
435 James St. S.
P.O. Box 5000
807-475-1205

DISTRICT OFFICE
Kenora
808 Robertson St.
807-468-5578

Northwestern Region

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Ministry of the Environment

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NORTHWESTERN REGION SUMMARY

TREATMENT TYPE	NUMBER	TOTAL CAPACITY (MIGD)*
GROUND SOURCE	3	5.132
GROUND SOURCE PHYSCL TRTMT	1	2.304
GROUND SOURCE CHEM TRTMT	1	1.200
SURFC SOURCE	15	86.740
SURFC SOURCE PHYSCL TREATMT	1	.414
SURFC SOURCE PHYS & CHEM TRTMT	7	7.104
TOTAL MINISTRY OPERATED WORKS	10	7.260
TOTAL MUNICIPALLY OPERATED WORKS	18	93.034
TOTAL TREATMENT WORKS	28	100.894
TOTAL AREA WATER SUPPLY SYSTEMS	(0)	(0)

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ATIKOKAN TOWNSHIP MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	3.100	ATIKOKAN RIVER	MUNICIPALITY
BAIRD TOWNSHIP MADSEN COMMUNITY SUPPLY	SURFC SOURCE CHLORINATION	.600	RED LAKE	MINISTRY
BALMERTOWN IMPROVEMENT DISTRICT COCHENOUR TOWNSITE PLANT	SURFC SOURCE CHLORINATION	1.730	BRUCE CHANNEL (RED LAKE)	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT BALMERTOWN TOWNSITE PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	2.600	SANDY BAY (RED LAKE)	MUNICIPALITY
BEARDMORE TOWNSHIP BEARDMORE W T P (NEW IN MAR 78)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.550	BLACK WATER RIVER	MINISTRY
CARAMAT UNORGANISED TWP MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.144	CARAMAT LAKE	MUNICIPALITY
DRYDEN TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3.000	WABIGOON LAKE	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.000	ENGLISH RIVER	MINISTRY
EMO TWP TOWNSHIP EMO TWP WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.090	RAINY RIVER	MINISTRY
FORT FRANCES TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	7.600	RAINY RIVER	MUNICIPALITY
GERALDTON TOWN GERALDTON W T P (TR PHYS&CHEM MAR 79)	SURFC SOURCE CHLORINATION	1.320	CECILE LAKE	MINISTRY
IGNACE TOWNSHIP IGNACE TOWNSITE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.200		MINISTRY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
KENORA TOWN KENORA (MAIN PLANT) (NEW PLANT IN 1979)	SURFC SOURCE CHLORINATION FLUORIDATION	5,850	LAKE OF THE WOODS	MUNICIPALITY
LONGLAC TOWNSHIP LONGLAC W T P(EXPAND TO 1.4MG IN 79)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1,600	LONG LAKE	MUNICIPALITY
MACHIN TOWNSHIP VERMILLION BAY	SURFC SOURCE CHLORINATION	.500	EAGLE LAKE	MINISTRY
MANITOUWADGE TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	2,304		MUNICIPALITY
MARATHON TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE	1,332		MUNICIPALITY
NAKINA IMPROVEMENT DISTRICT NAKINA SUPPLY	GROUND SOURCE CHLORINATION	1,080		MINISTRY
NIPIGON TOWNSHIP NIPIGON W T P	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.414	NIPIGON RIVER	MUNICIPALITY
PICKLE LAKE IMPROVEMENT DISTRICT PICKLE LAKE WKS	GROUND SOURCE CHLORINATION	.720		MINISTRY
RAINY RIVER TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	2,160	RAINY RIVER	MUNICIPALITY
RED LAKE TOWNSHIP RED LAKE WKS	SURFC SOURCE CHLORINATION	.400	SKUOKUM BAY (RED LAKE)	MINISTRY
RED ROCK IMPROVEMENT DISTRICT RED ROCK W T P (DIRECT FILTRATION)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.720	NIPIGON BAY (L.SUPERIOR)	MUNICIPALITY
SCHREIBER TOWNSHIP MUNICIPAL SUPPLY	SURFC SOURCE CHLORINATION	.500	COOK'S LAKE	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
SIOUX LOOKOUT TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	1.080	PELICAN LAKE	MUNICIPALITY
TERRACE BAY TOWNSHIP MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	32.000	LAKE SUPERIOR	MUNICIPALITY
THUNDER BAY CITY LOCH LOMOND PLANT	SURFC SOURCE CHLORINATION	12.000	LOCH LOMOND LAKE	MUNICIPALITY
THUNDER BAY CITY BARE POINT W T P (TR PHY-CHEM IN 1979)	SURFC SOURCE CHLORINATION	15.500	THUNDER BAY (L.SUPERIOR)	MUNICIPALITY

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